

FIG. 1

EXAMPLE OF A CONFIGURATION OF DIFFERENTIAL CDMA TRANSMITTER

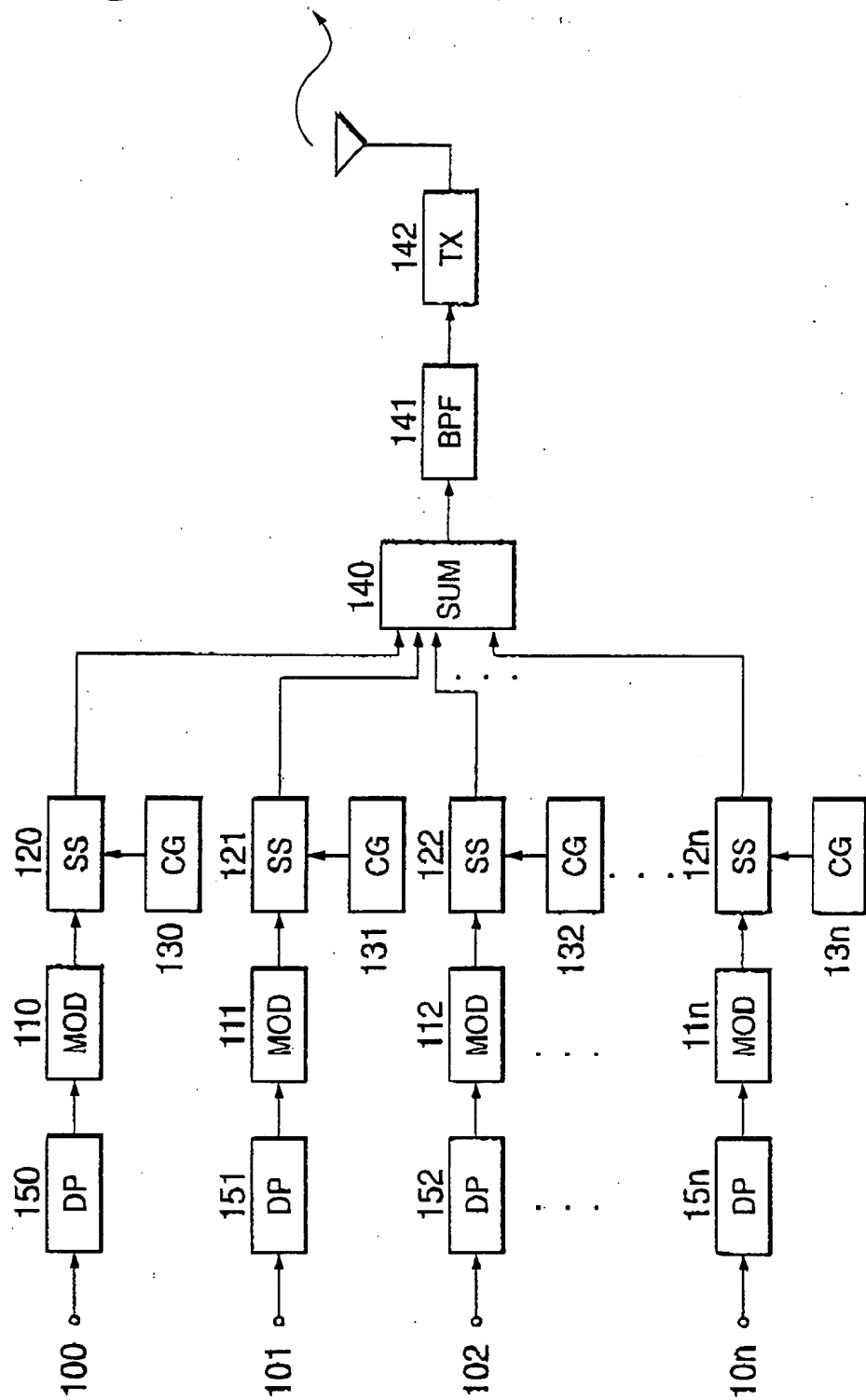


FIG. 2

EXAMPLE OF A DETAILED CONFIGURATION OF
DIFFERENTIAL CODING CIRCUIT (DP)

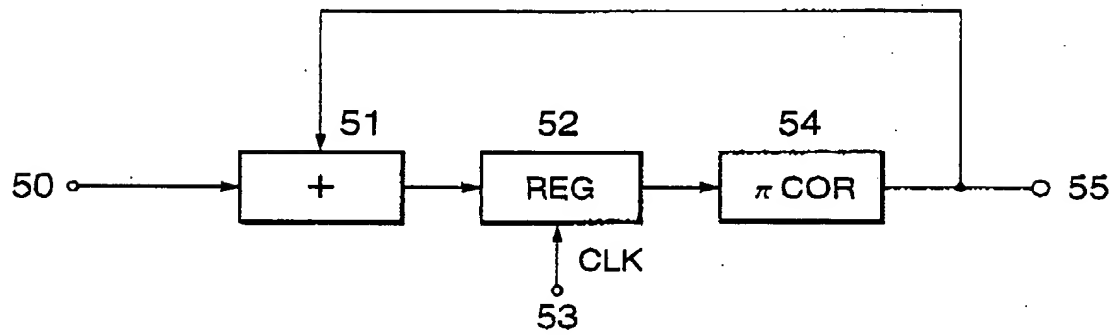


FIG. 3

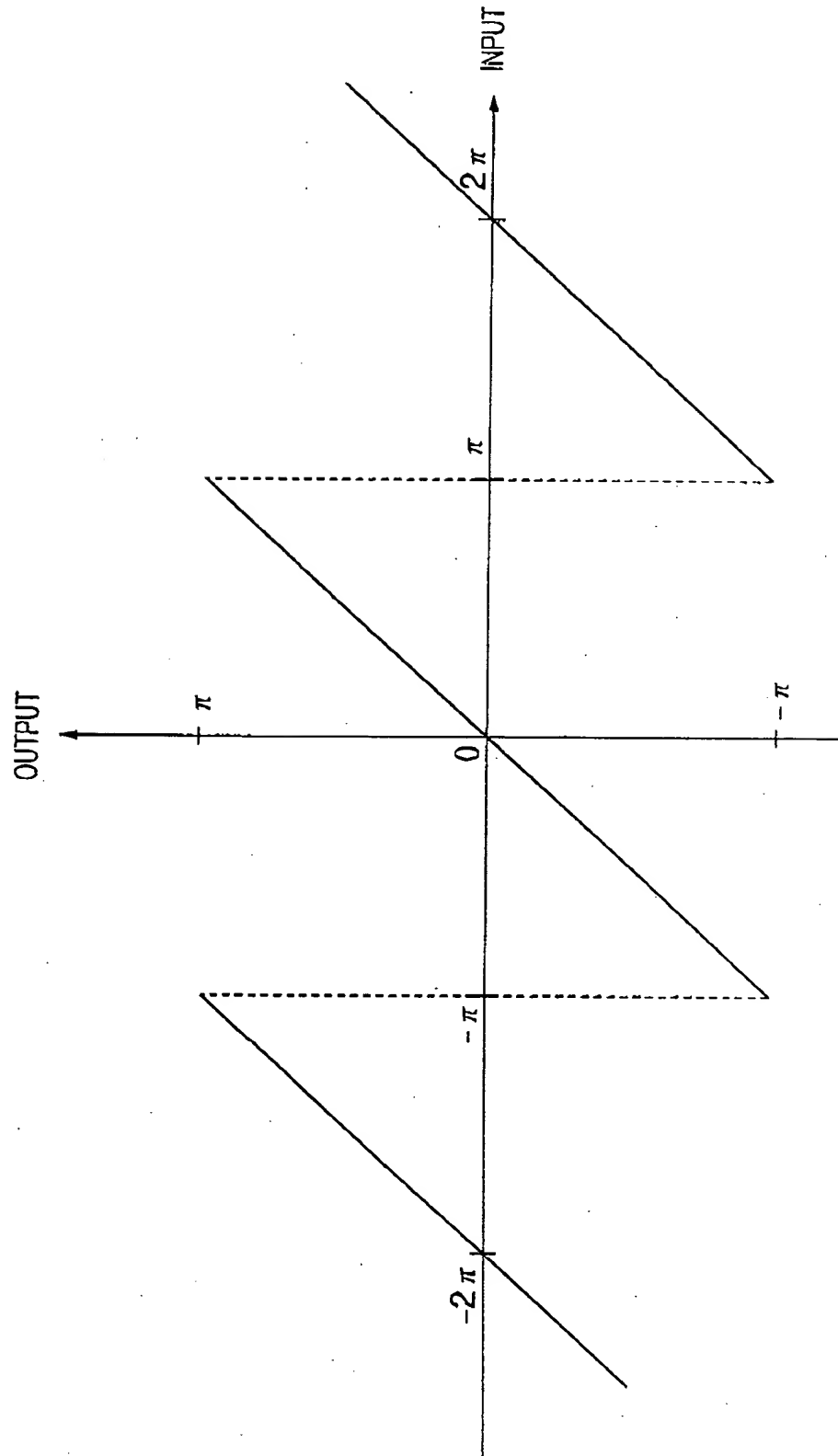
INPUT/OUTPUT CHARACTERISTICS OF π CORRECTOR (π COR)

FIG. 4

EXAMPLE OF A CONFIGURATION OF DIFFERENTIAL CDMA RECEIVER

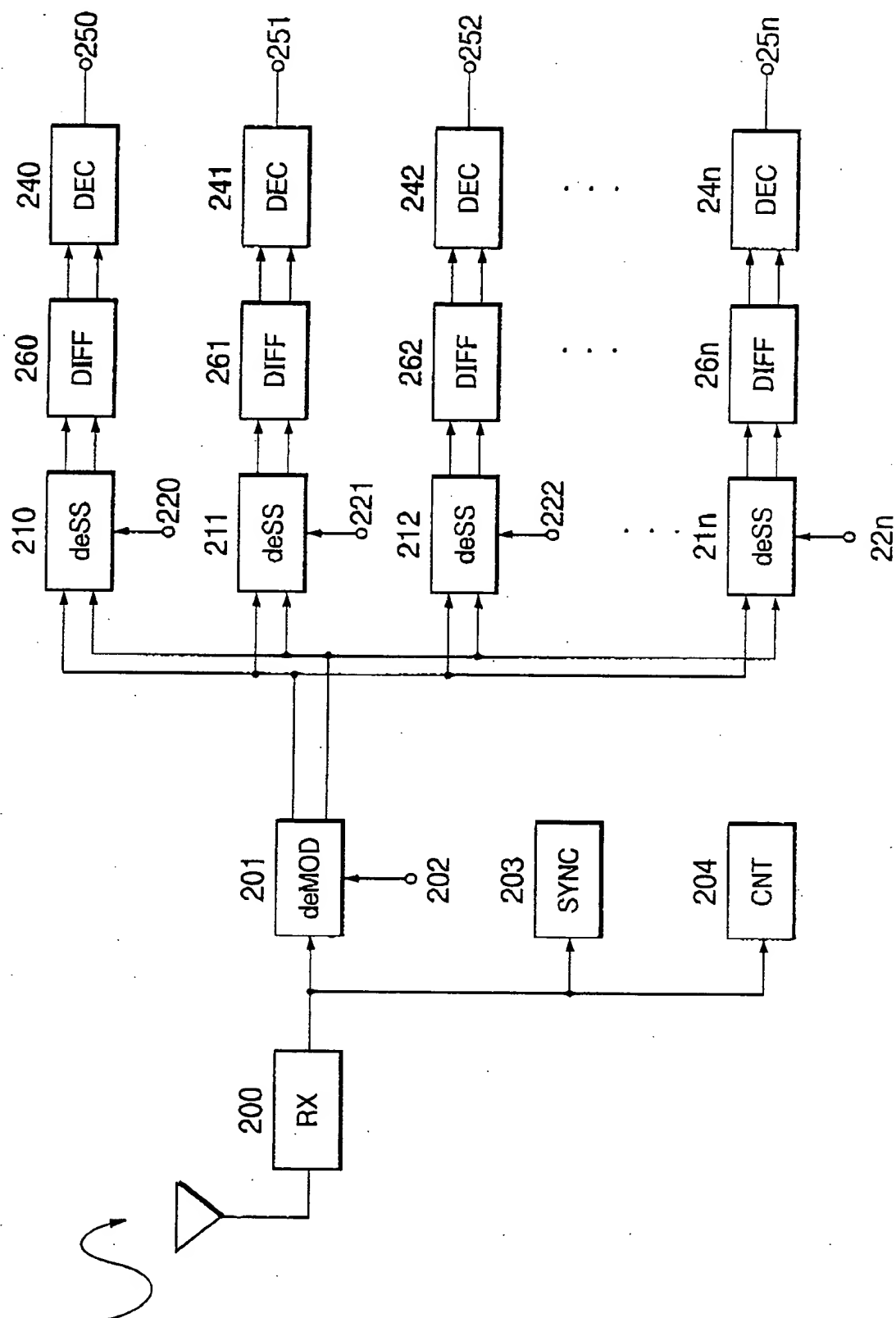


FIG. 5

EXAMPLE OF A DETAILED CONFIGURATION OF DIFFERENTIAL CIRCUIT (DIFF)

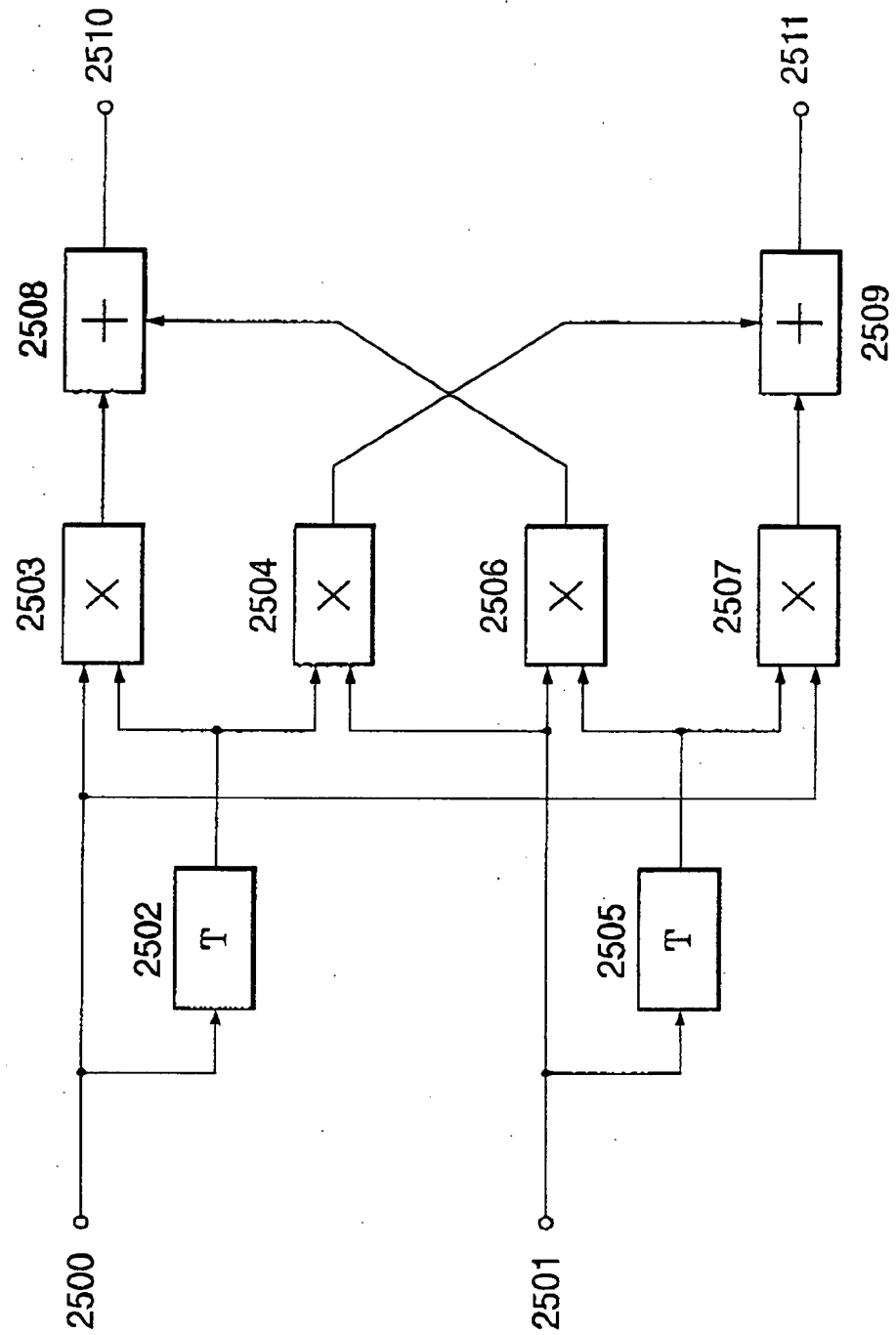


FIG. 6

SCHEMATIC VIEW OF INFORMATION PHASE

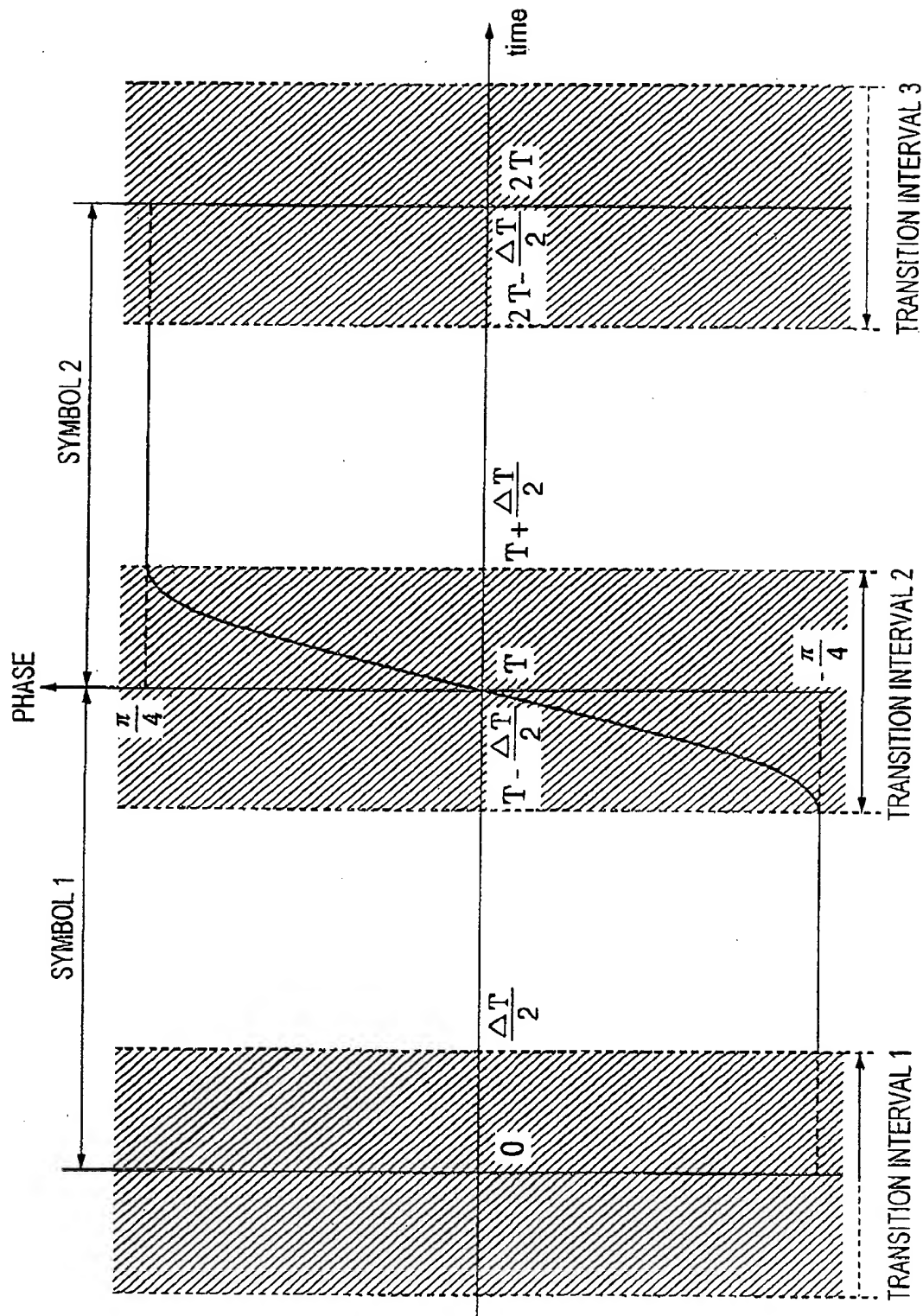


FIG. 7

EXAMPLE OF A DETAILED CONFIGURATION OF
PHASE CONTINUOUS DIFFERENTIAL CODING CIRCUIT (DP-CP)

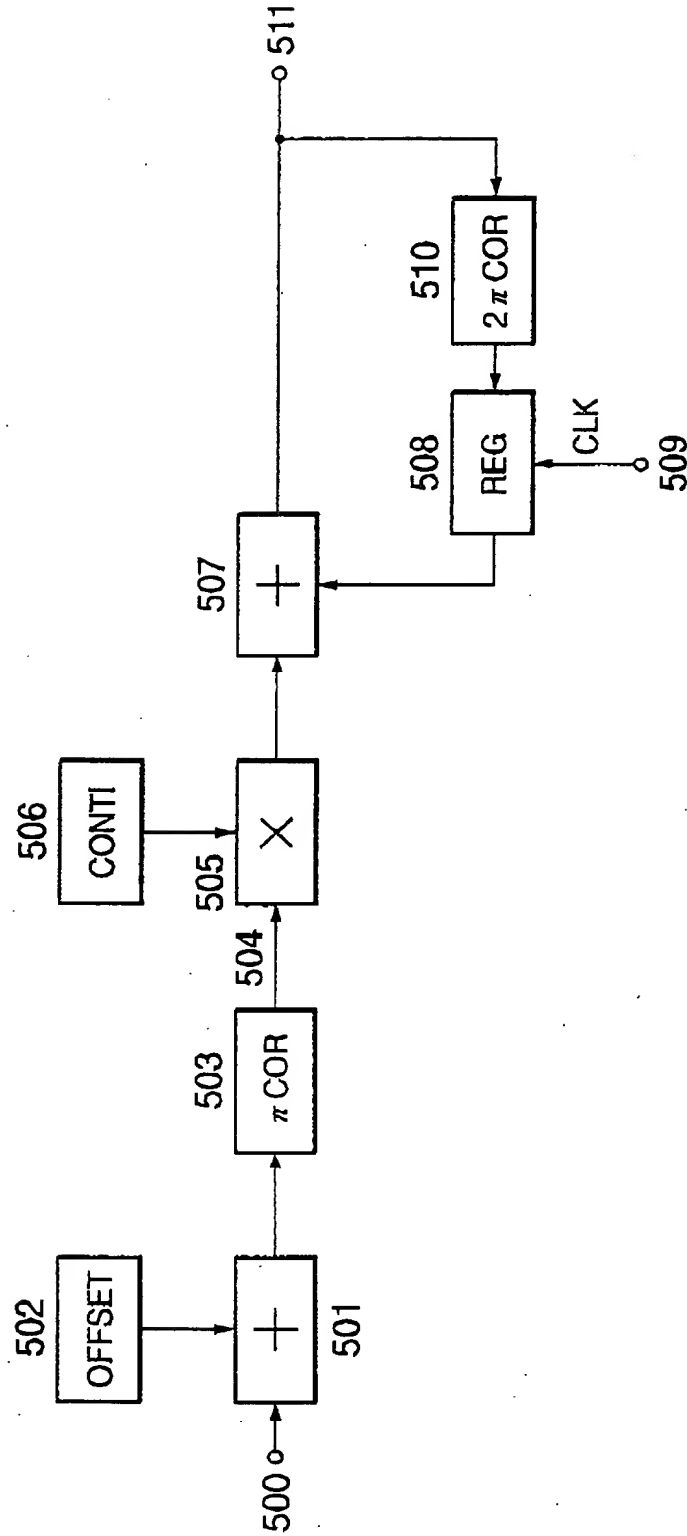


FIG. 8

TIME RESPONSE OF CONTINUATING CIRCUIT (CONTI)

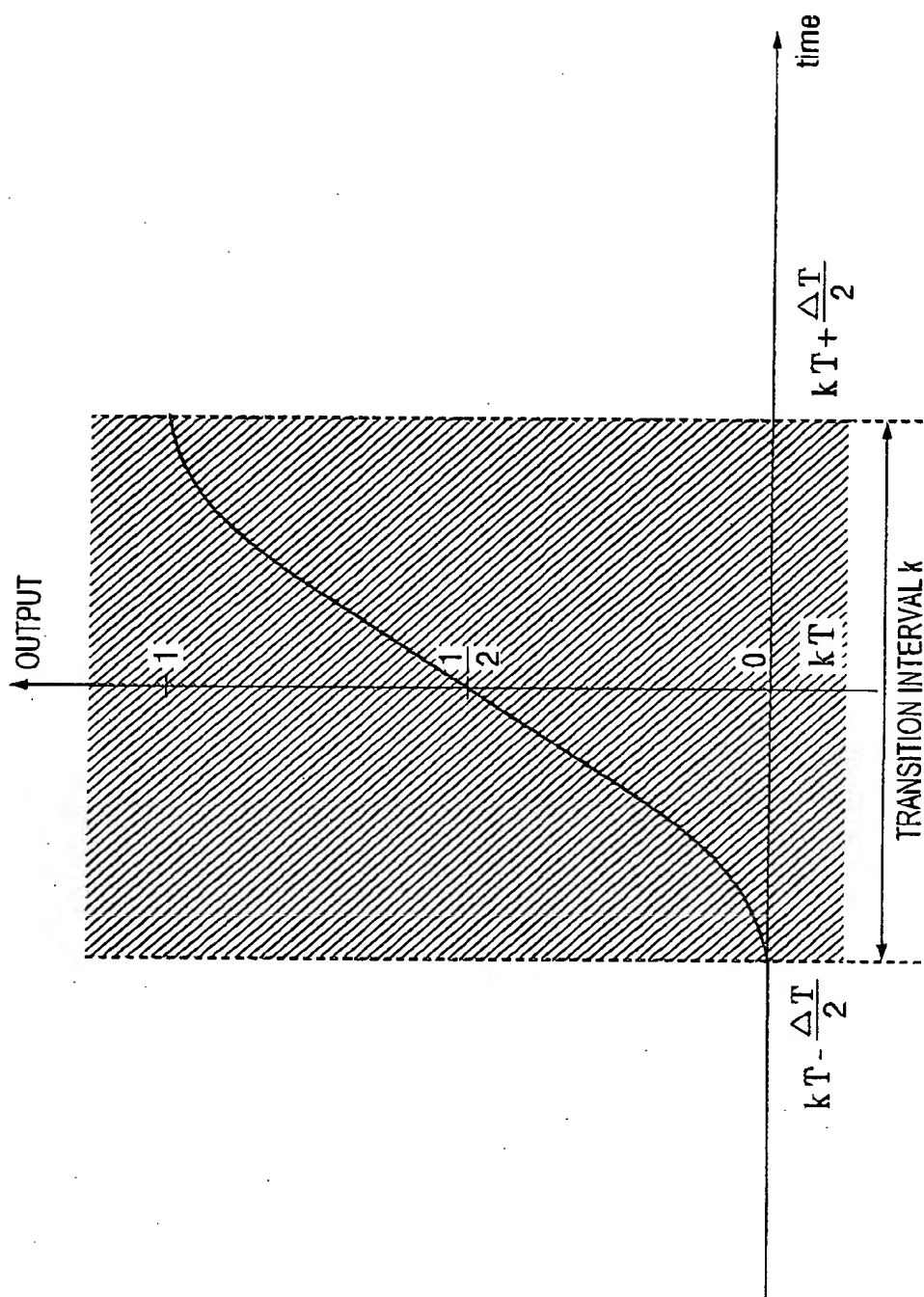


FIG. 9

EXAMPLE OF A DETAILED CONFIGURATION OF PHASE CONTINUATING CIRCUIT (CP)

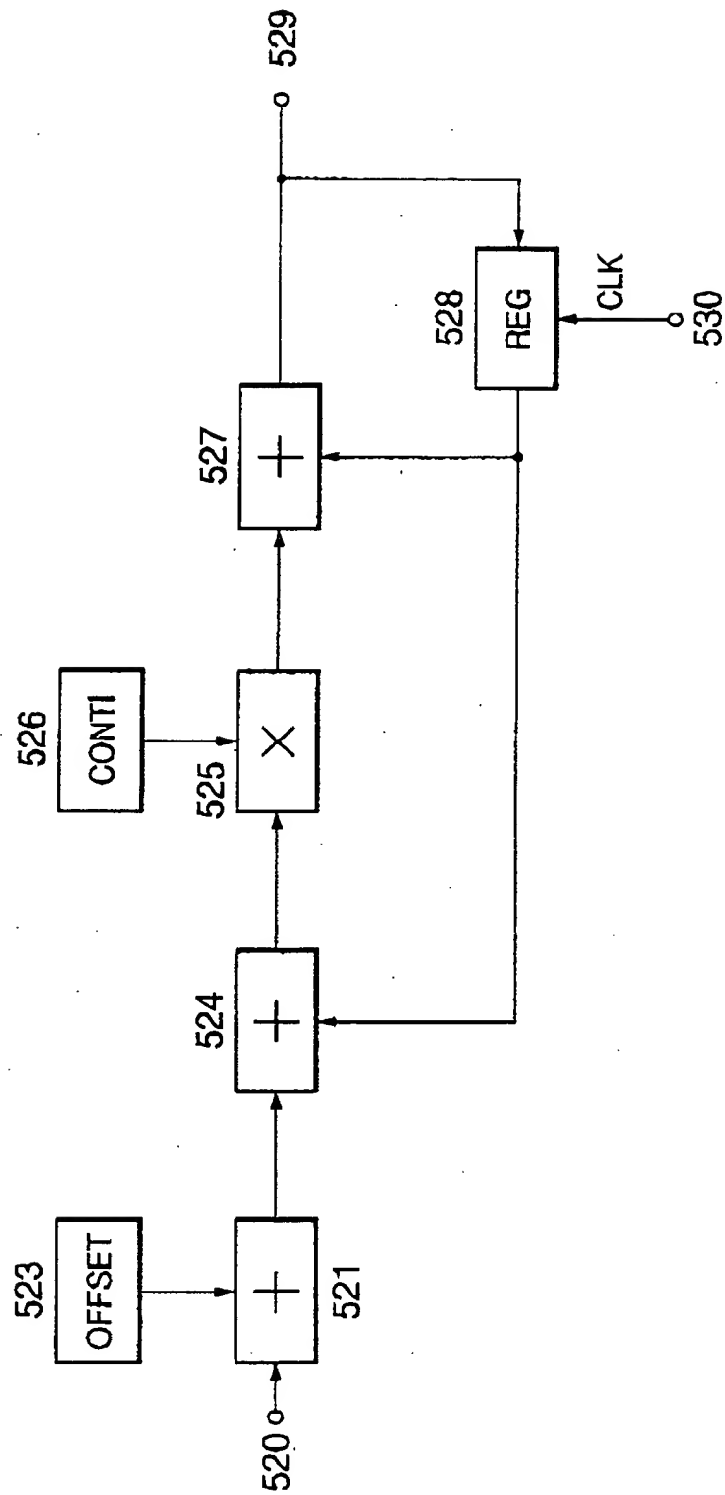


FIG. 10

SCHEMATIC VIEW OF PRIMARY MODULATED WAVEFORM

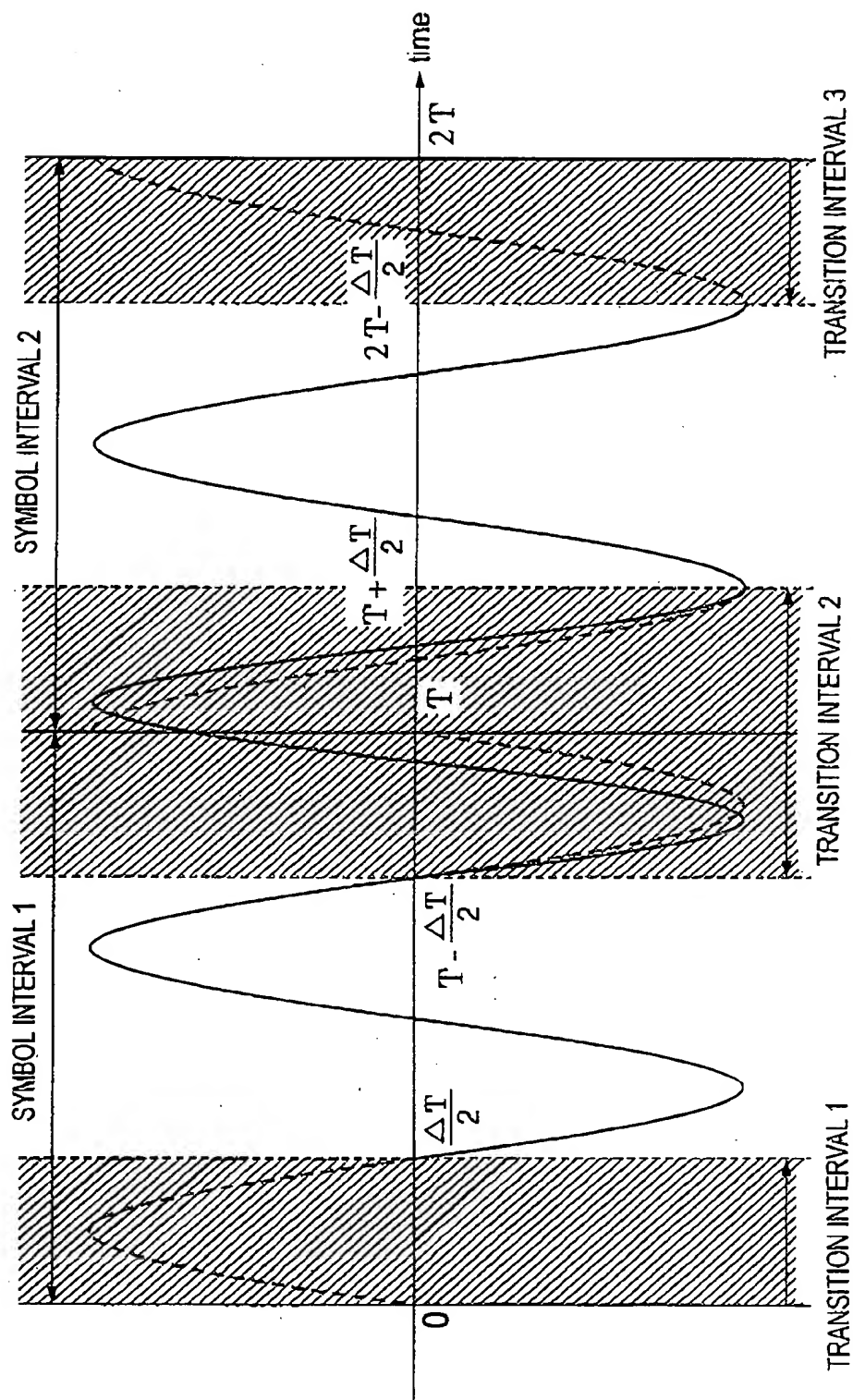


FIG. 11

SCHEMATIC VIEW OF SPREAD CODE SEQUENCE WAVEFORM

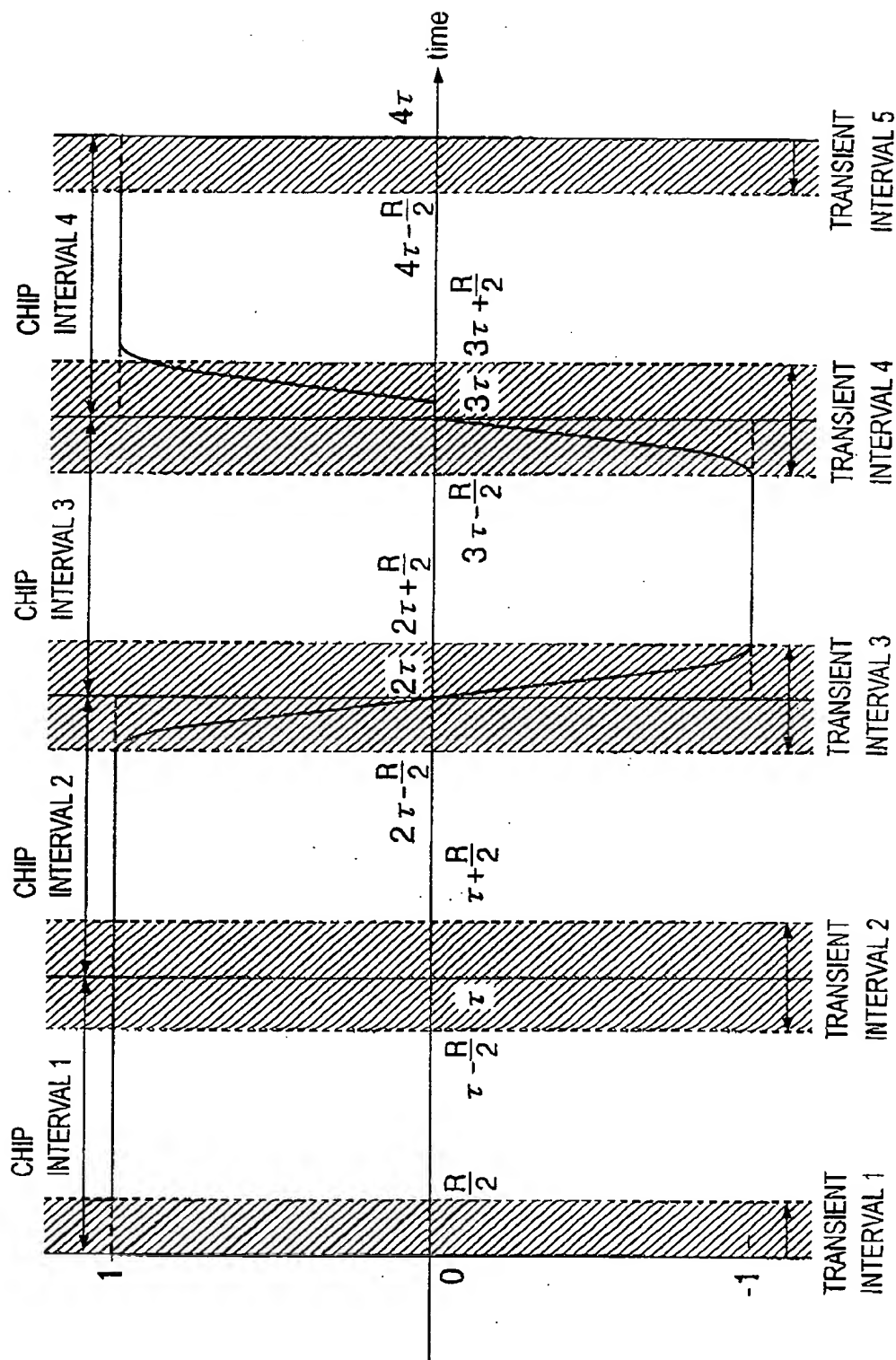


FIG. 12

EXAMPLE OF A DETAILED CONFIGURATION OF SPREAD CODE SEQUENCE WAVEFORM
CONTINUATING CIRCUIT (CODE-CS)

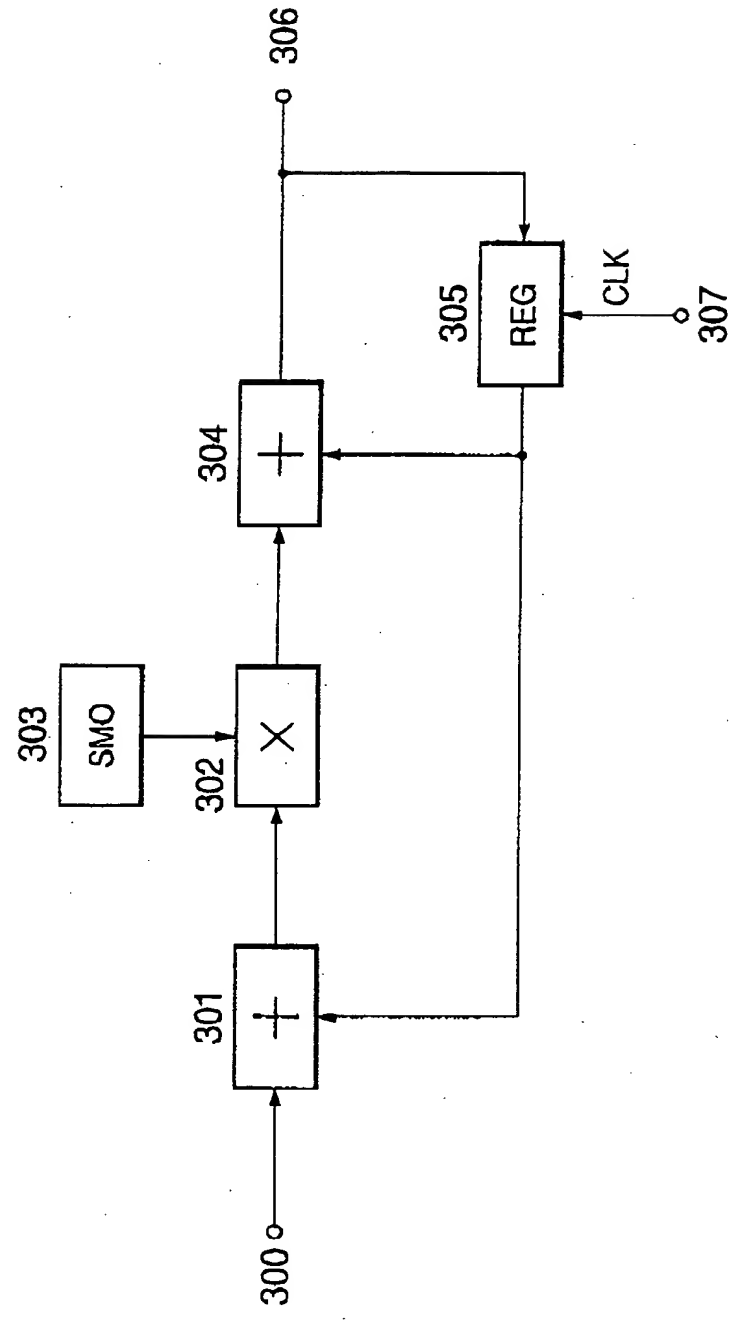


FIG. 13

EXAMPLE OF TIME RESPONSE WAVEFORM OF SMOOTHER (SMO)

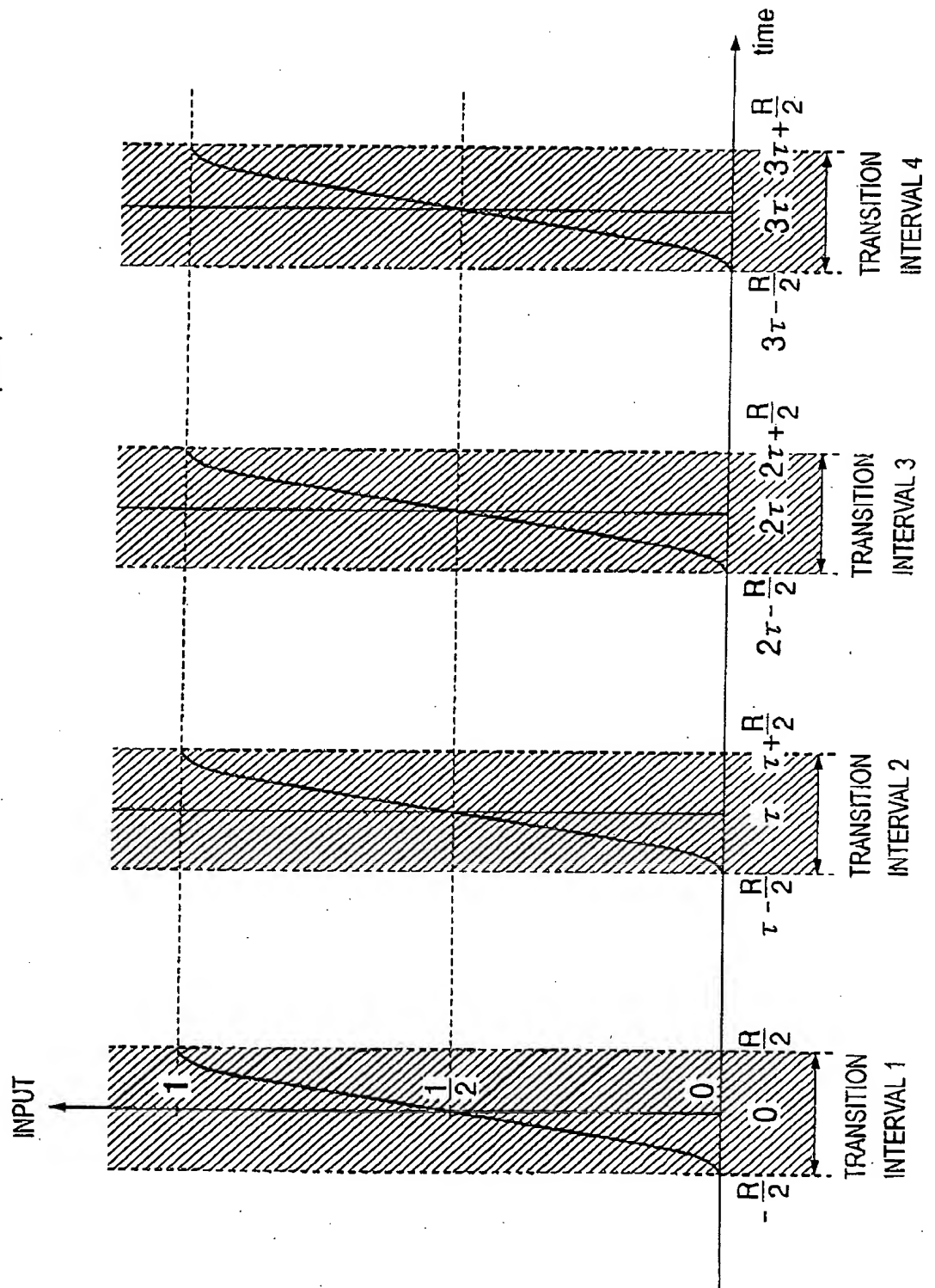


FIG. 14

EXAMPLE OF VIRTUAL SEGMENT INTERLEAVE STRUCTURE

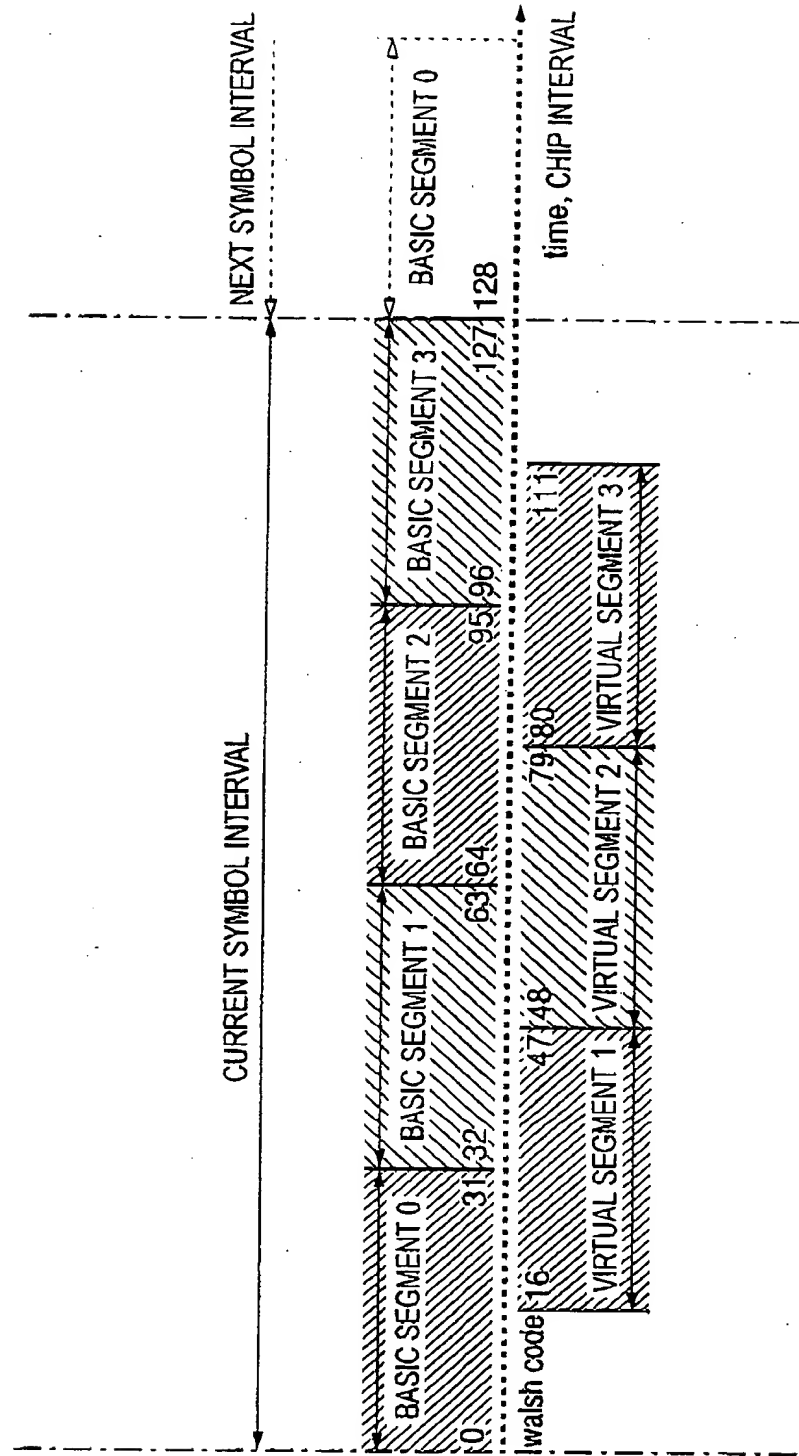


FIG. 15

EXAMPLE OF A DETAILED CONFIGURATION OF VIRTUAL SEGMENT INTERLEAVE
DESPREADING CIRCUIT (deSS-VSI)

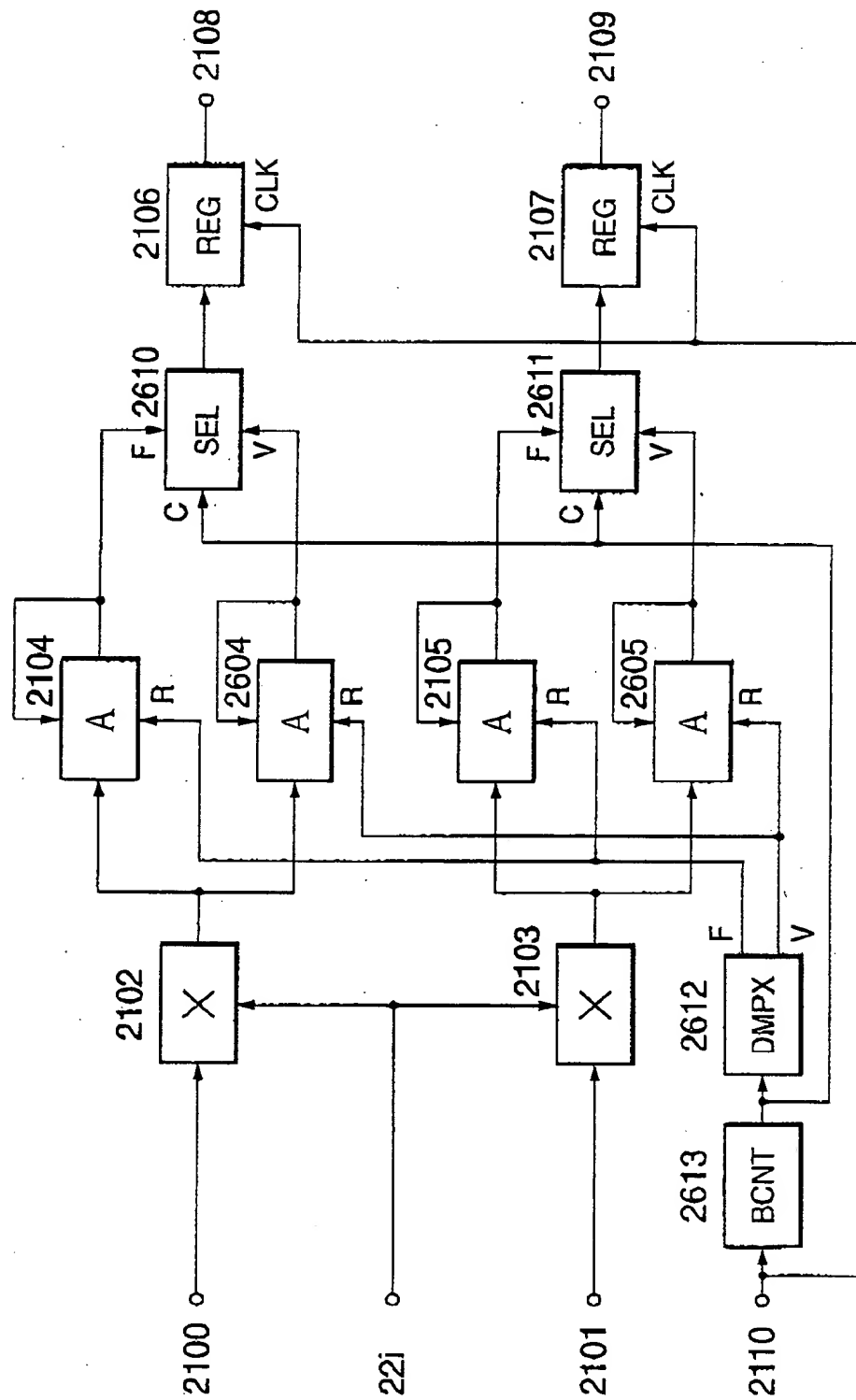
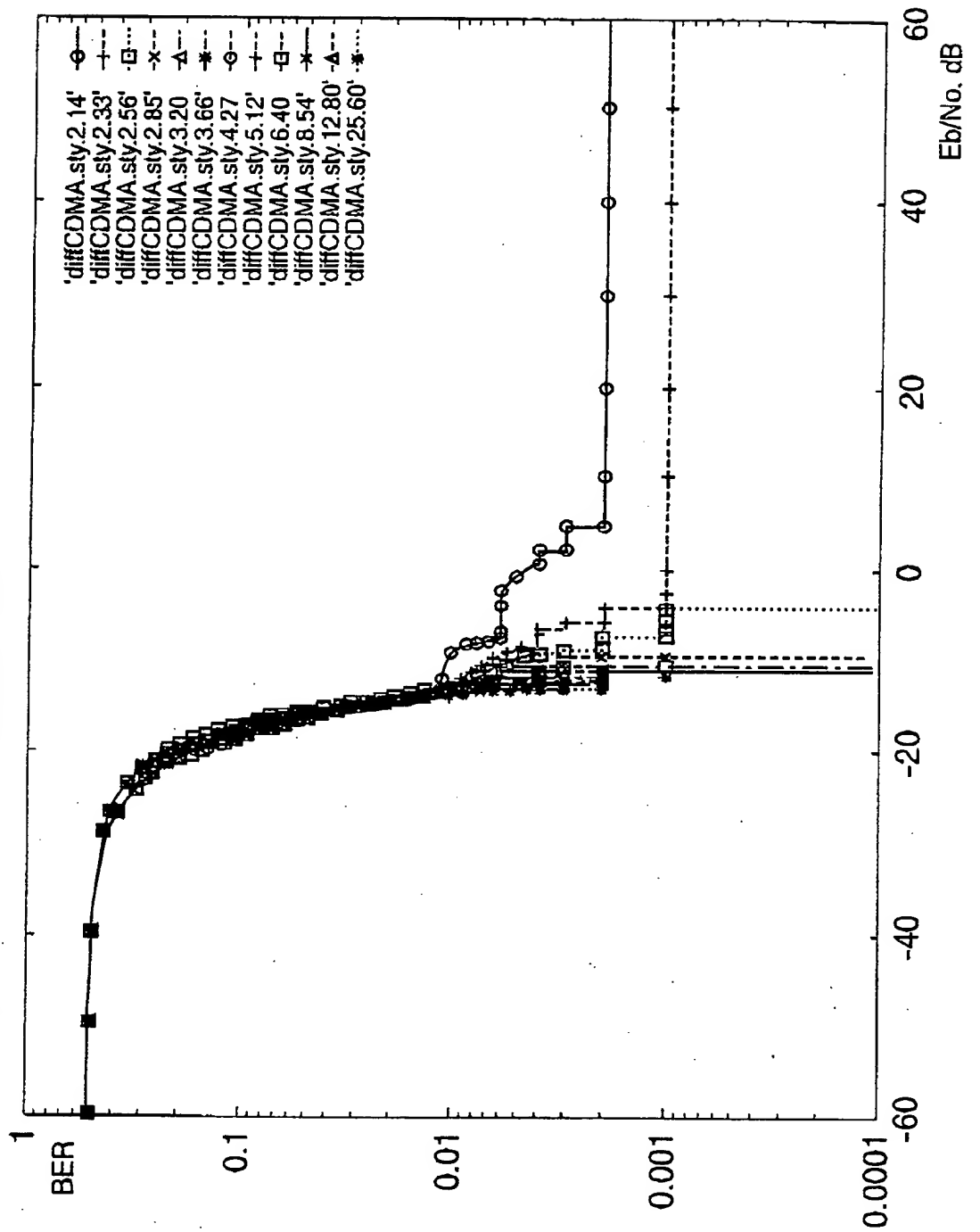
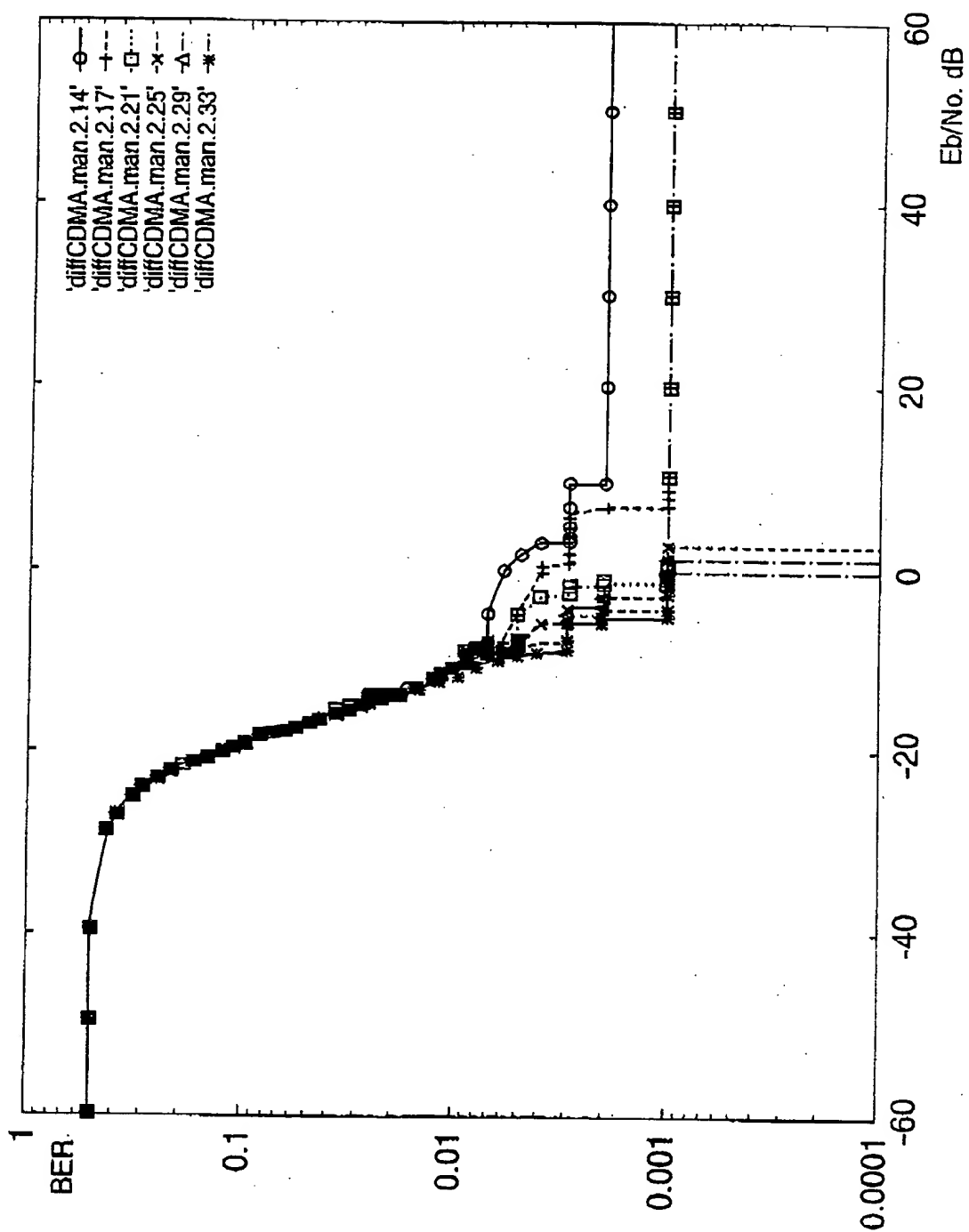


FIG.16

TRANSMISSION CHARACTERISTICS IN STATIONARY TELEPHONE MODE OF
DIFFERENTIAL CDMA TRANSMISSION SYSTEM



TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF DIFFERENTIAL CDMA TRANSMISSION SYSTEM



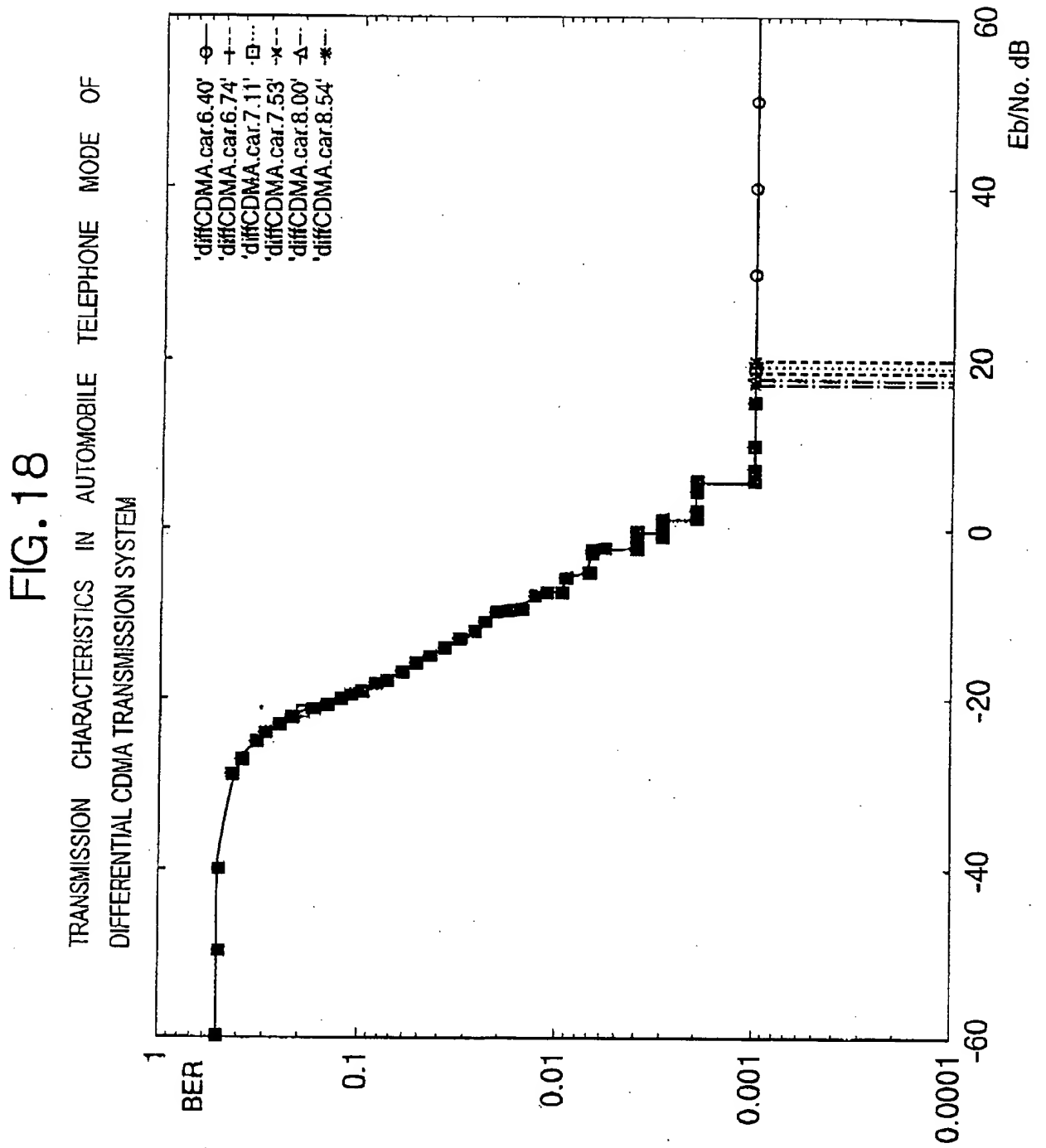
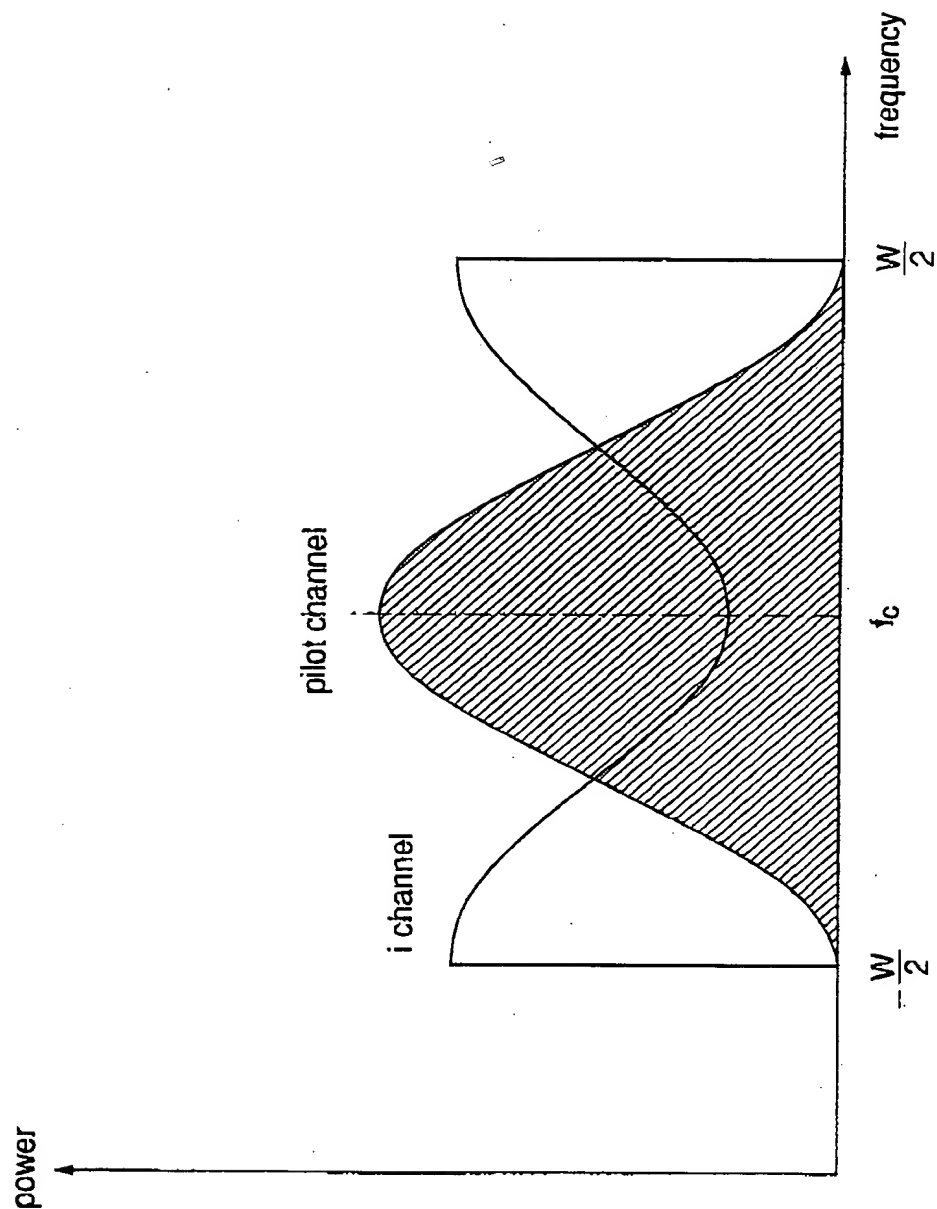


FIG. 19

SCHEMATIC POWER SPECTRUM



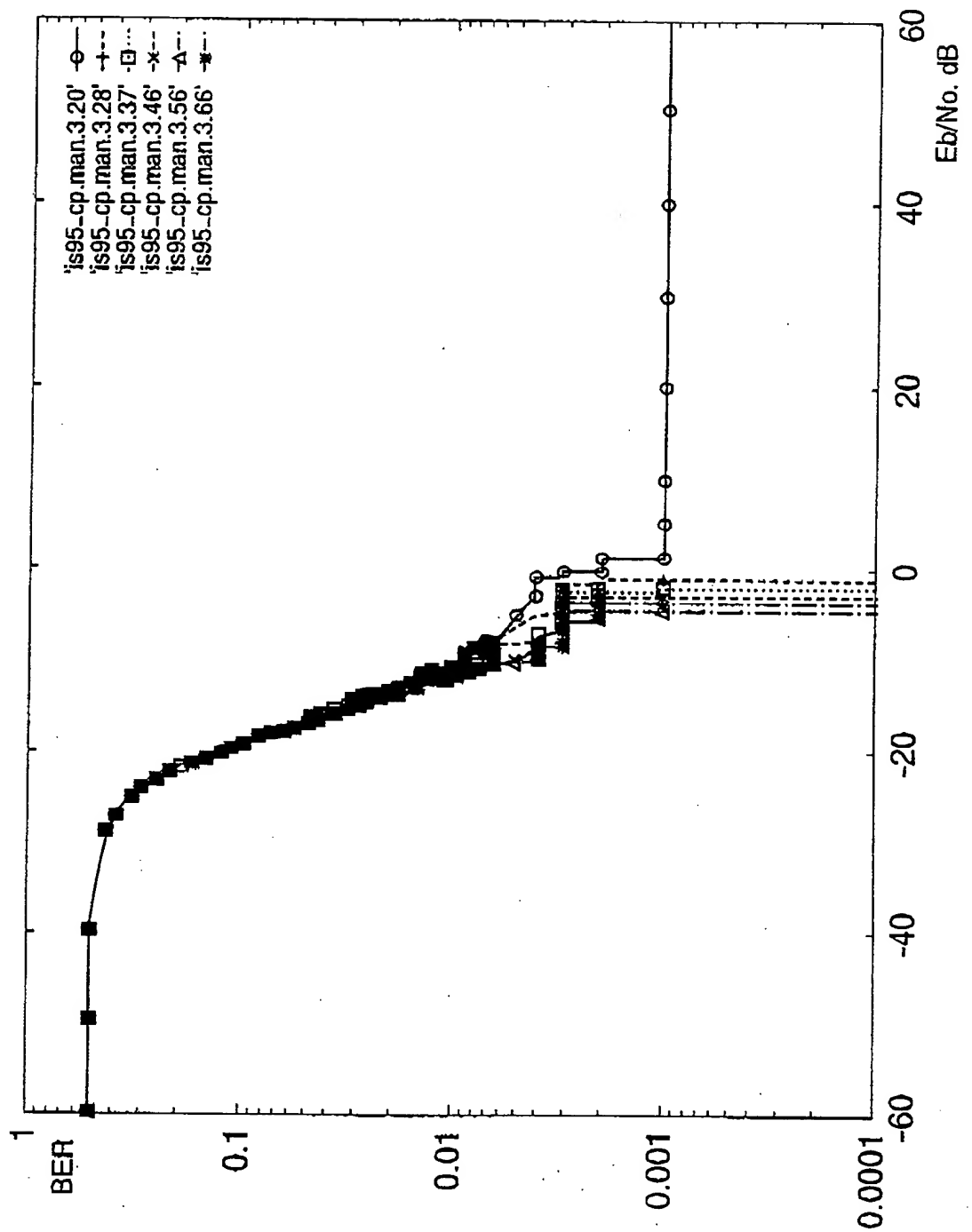
TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF
PHASE CONTINUOUS PILOT CDMA TRANSMISSION SYSTEM

FIG. 21

TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF
PHASE CONTINUOUS DIFFERENTIAL CDMA TRANSMISSION SYSTEM

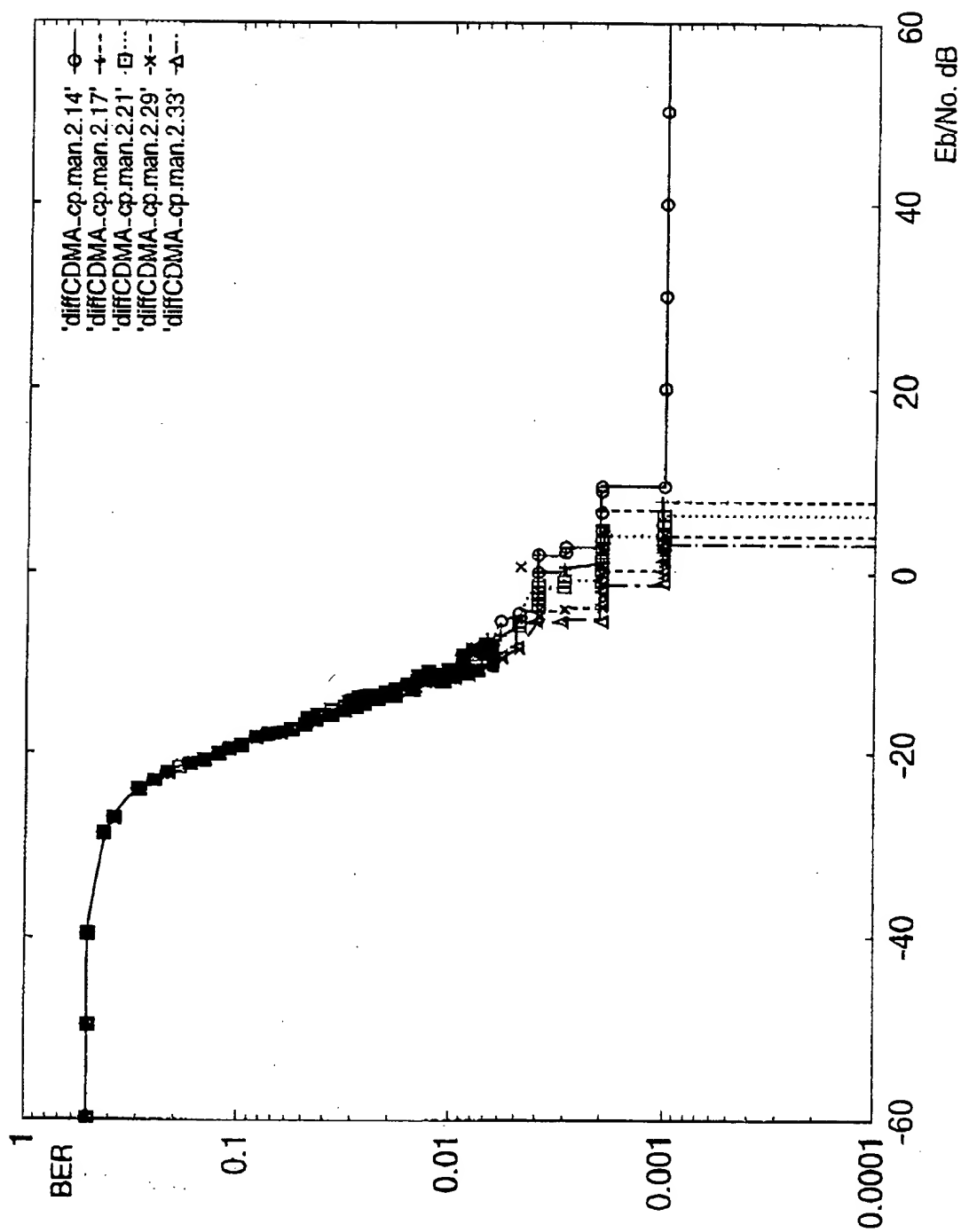


FIG. 22
TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF
CHIP CONTINUOUS DIFFERENTIAL CDMA TRANSMISSION SYSTEM

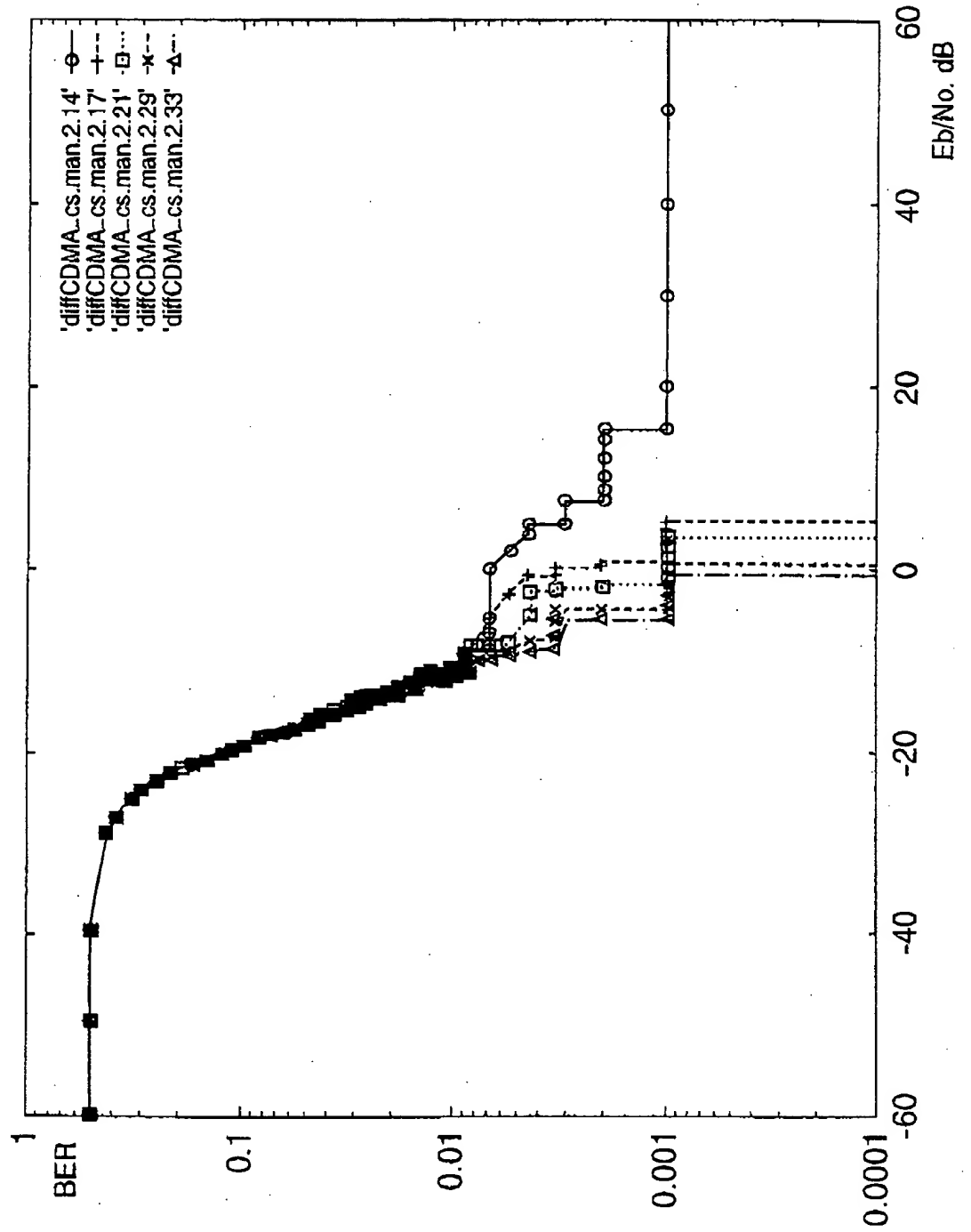


FIG. 23

TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF
PHASE/CHIP CONTINUOUS PILOT TRANSMISSION SYSTEM

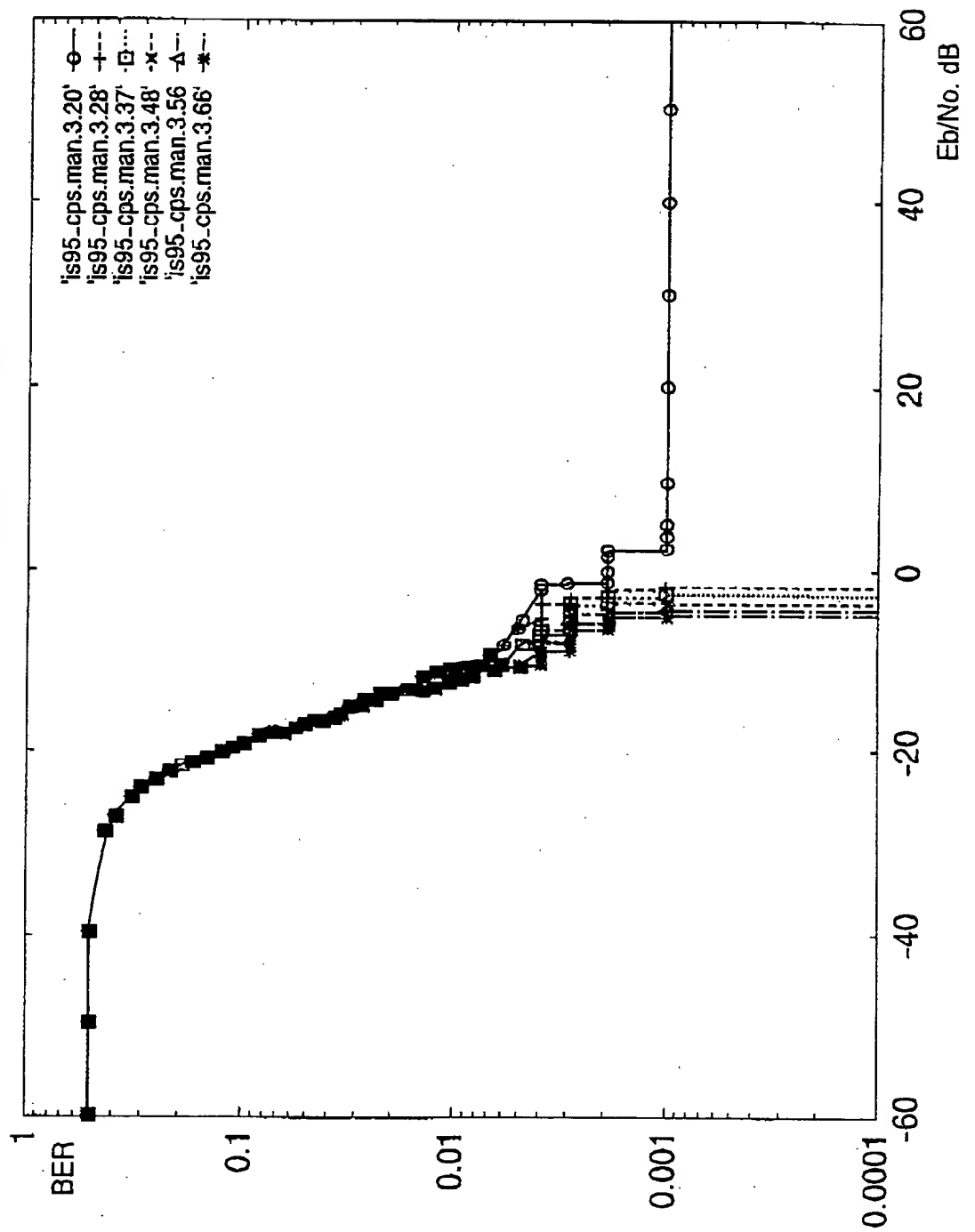


FIG. 24

TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF
PHASE/CHIP CONTINUOUS DIFFERENTIAL CDMA TRANSMISSION SYSTEM

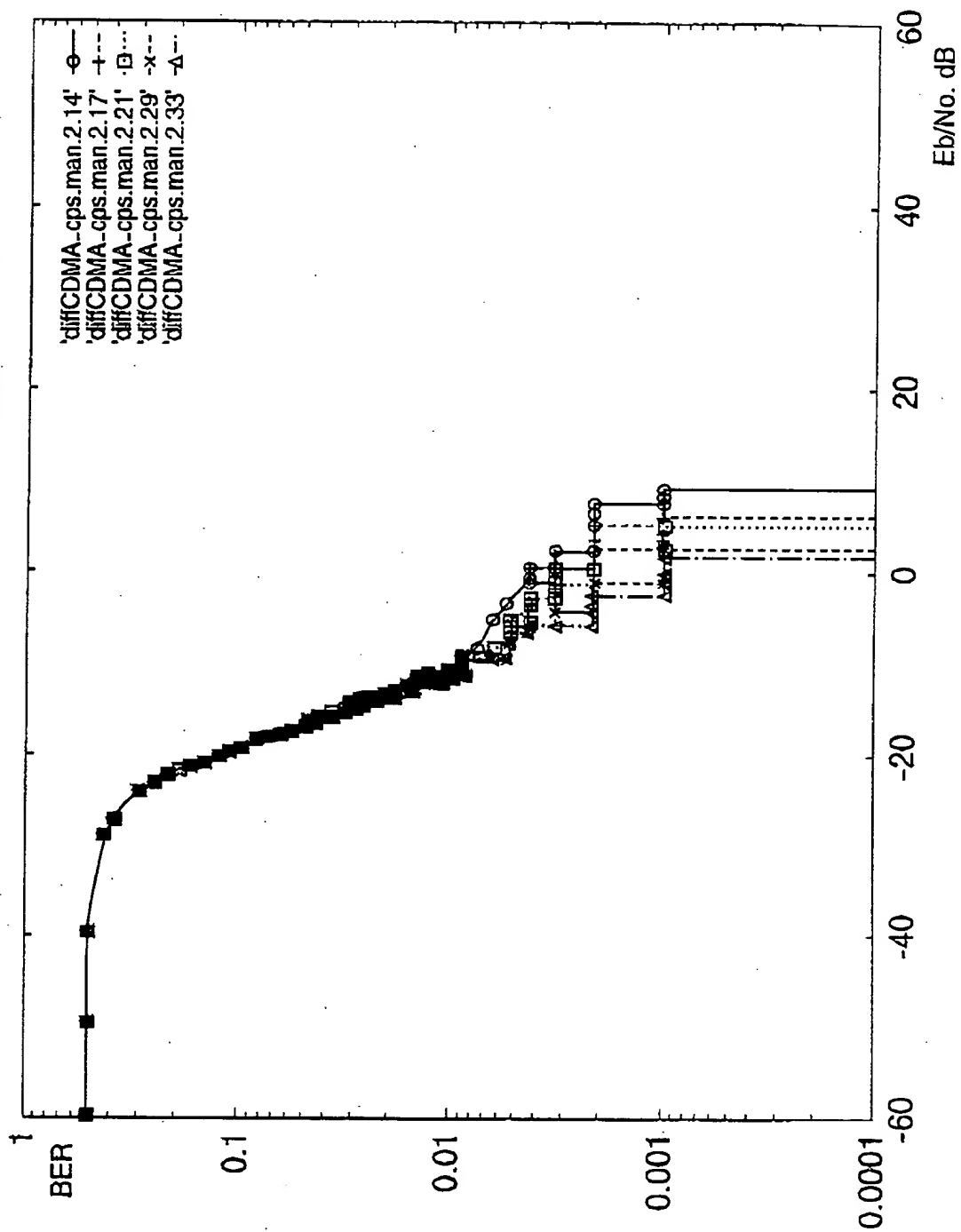


FIG.25

TRANSMISSION CHARACTERISTICS IN AUTOMOBILE TELEPHONE MODE OF
VIRTUAL SEGMENT DIFFERENTIAL CDMA TRANSMISSION SYSTEM

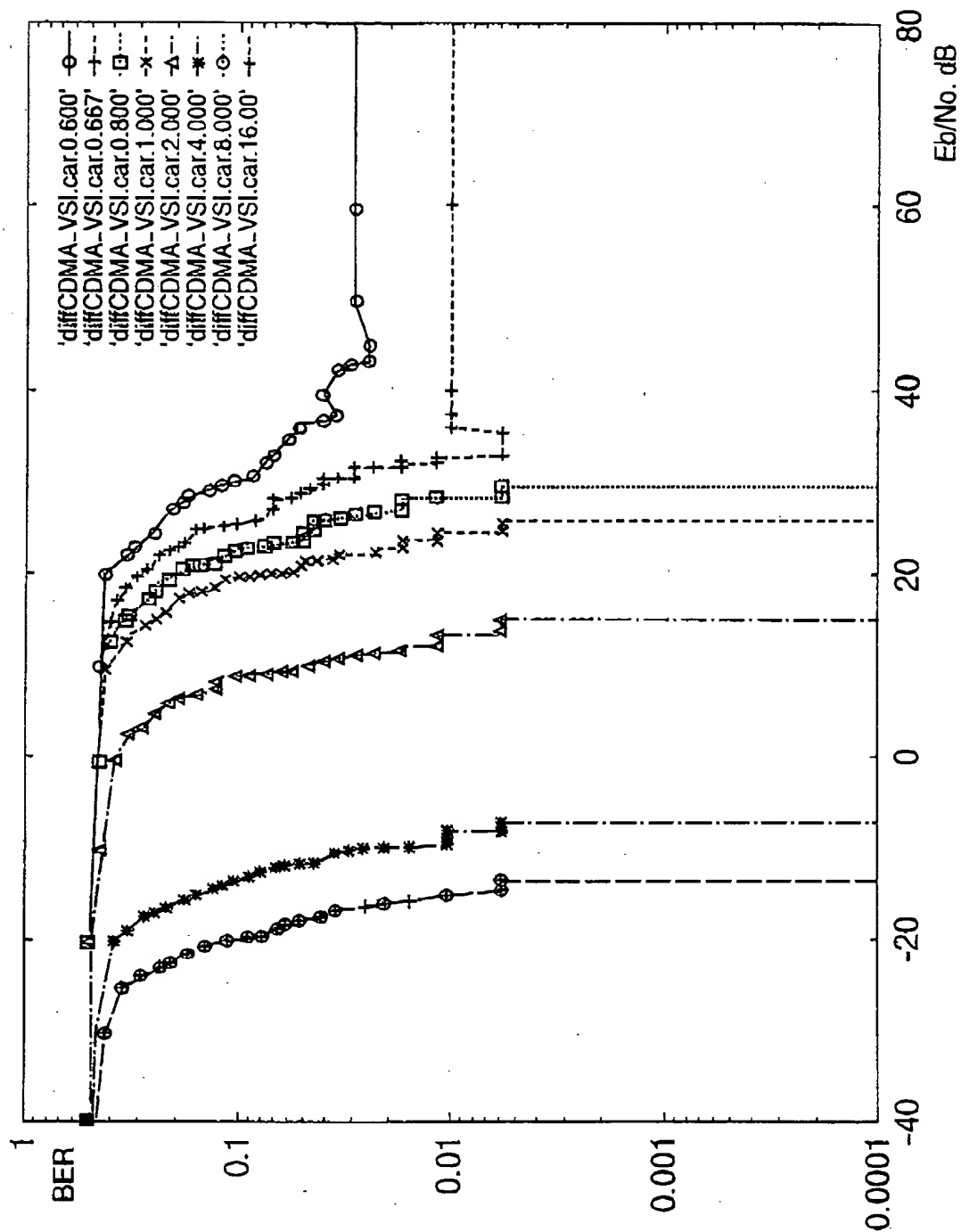


FIG. 26

EXAMPLE OF A CONFIGURATION OF THE CONVENTIONAL CDMA TRANSMITTER

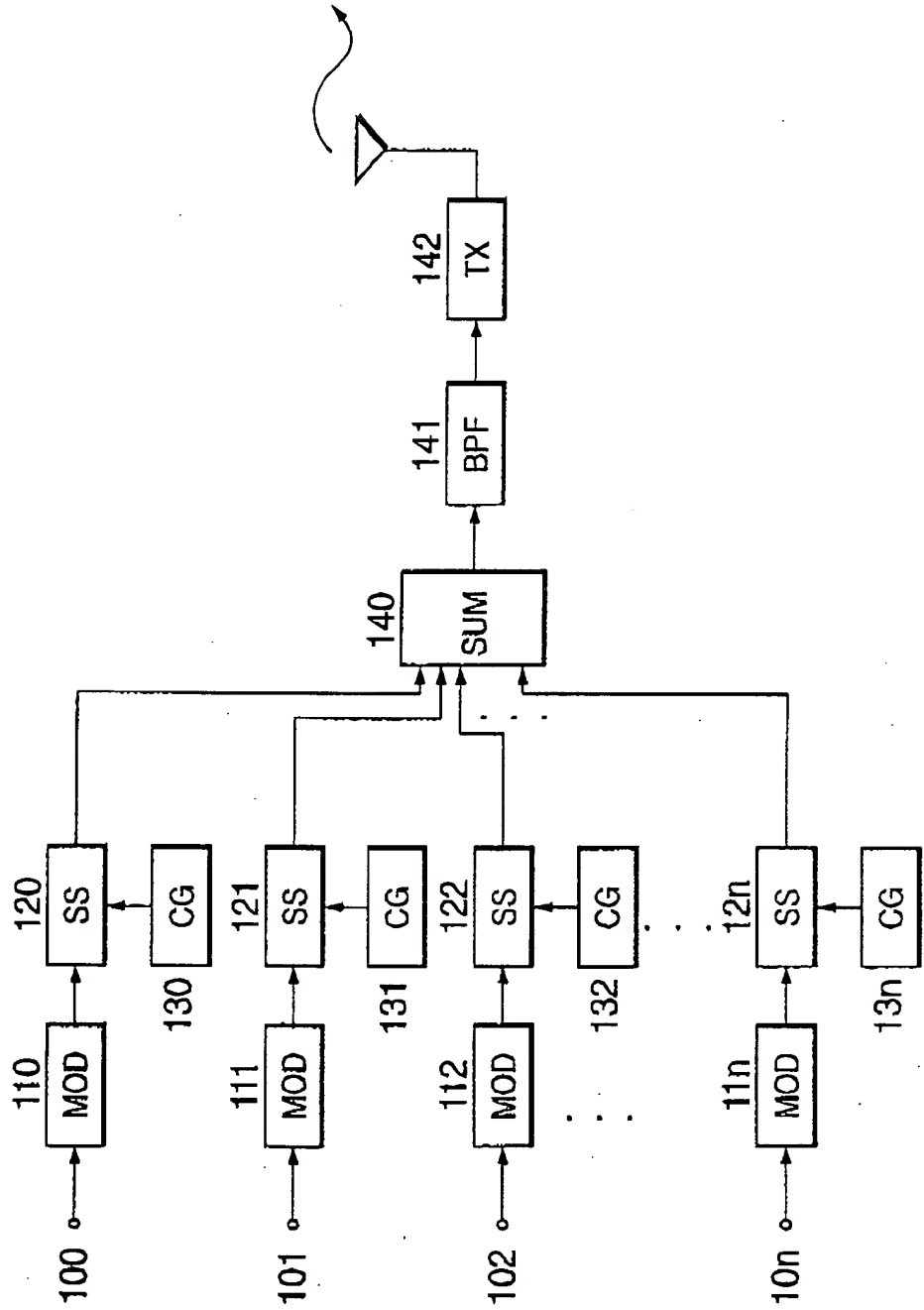


FIG. 27

SCHEMATIC VIEW OF PRIMARY MODULATED WAVE AND SYMBOL STRUCTURE

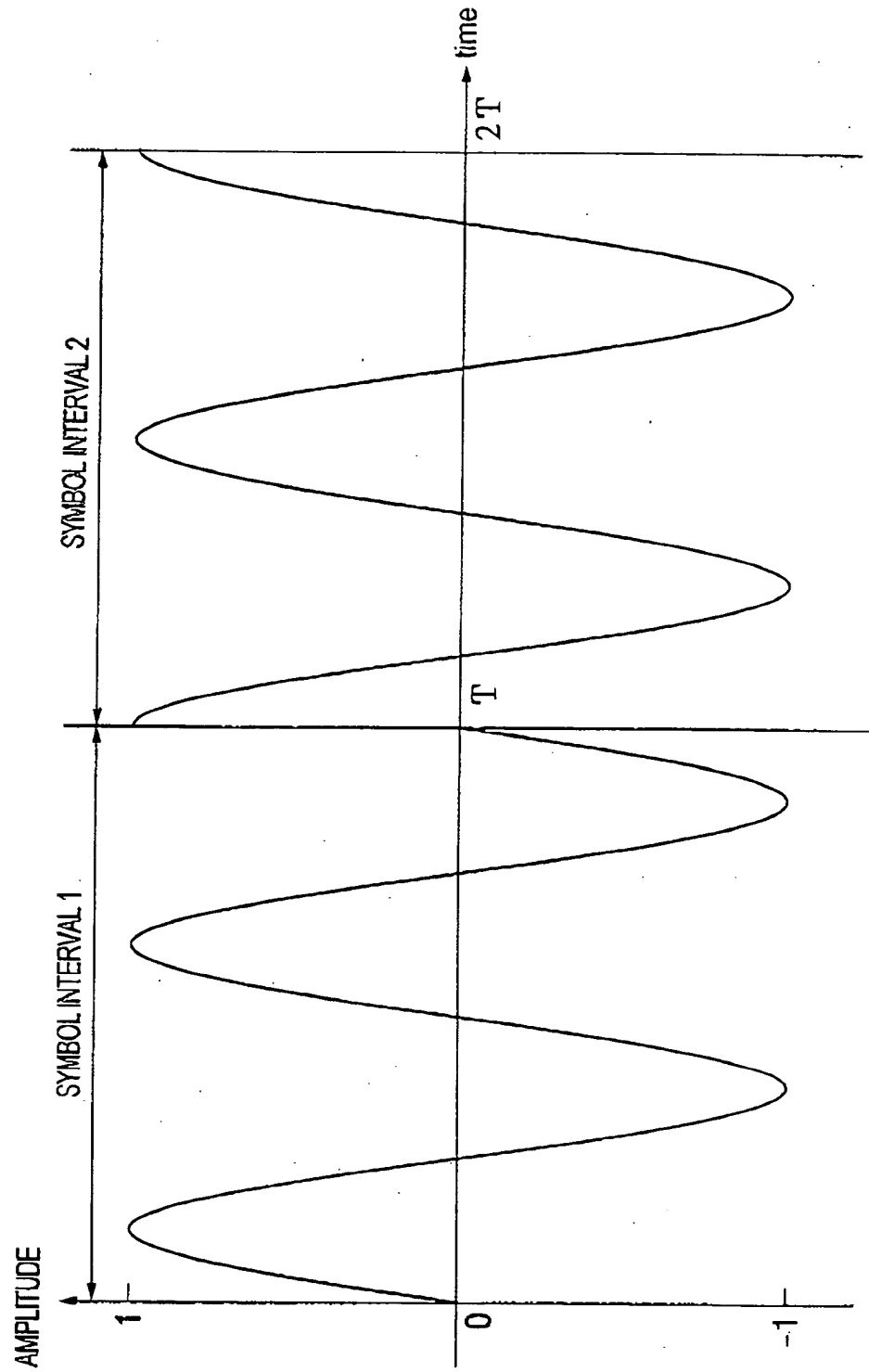


FIG. 28

EXAMPLE OF QPSK BIT CONSTELLATION

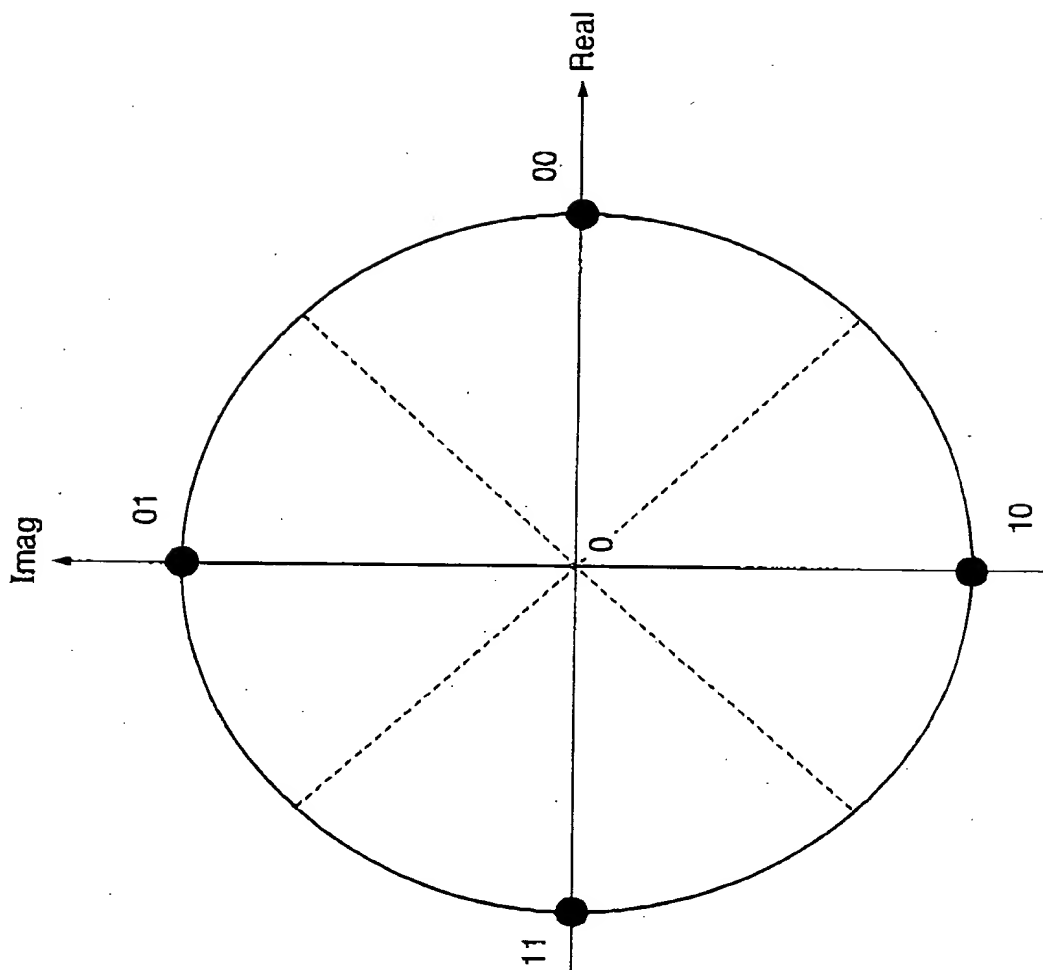


FIG. 29

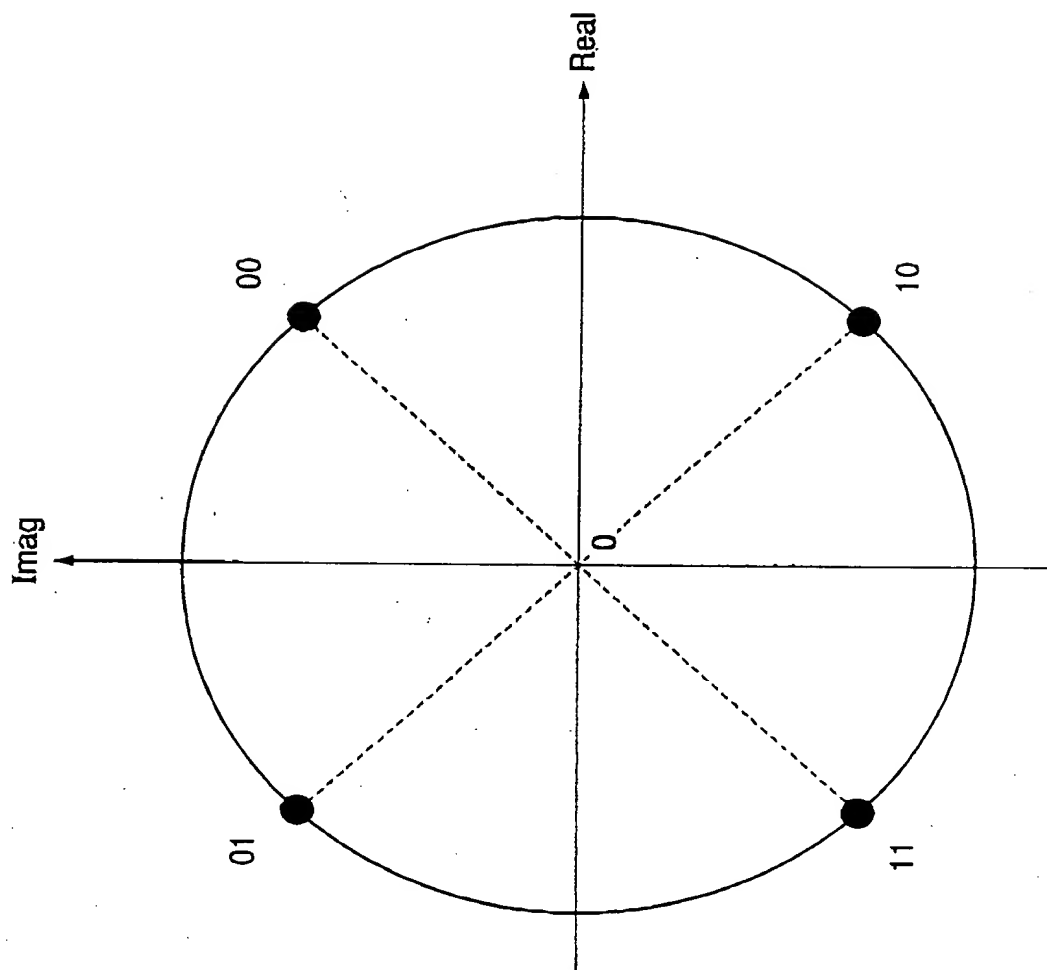
EXAMPLE OF $\pi/4$ -SHIFTED QPSK BIT CONSTELLATION

FIG. 30

EXAMPLE OF SEGMENT STRUCTURE IN A SYMBOL INTERVAL OF PRIMARY MODULATED WAVE

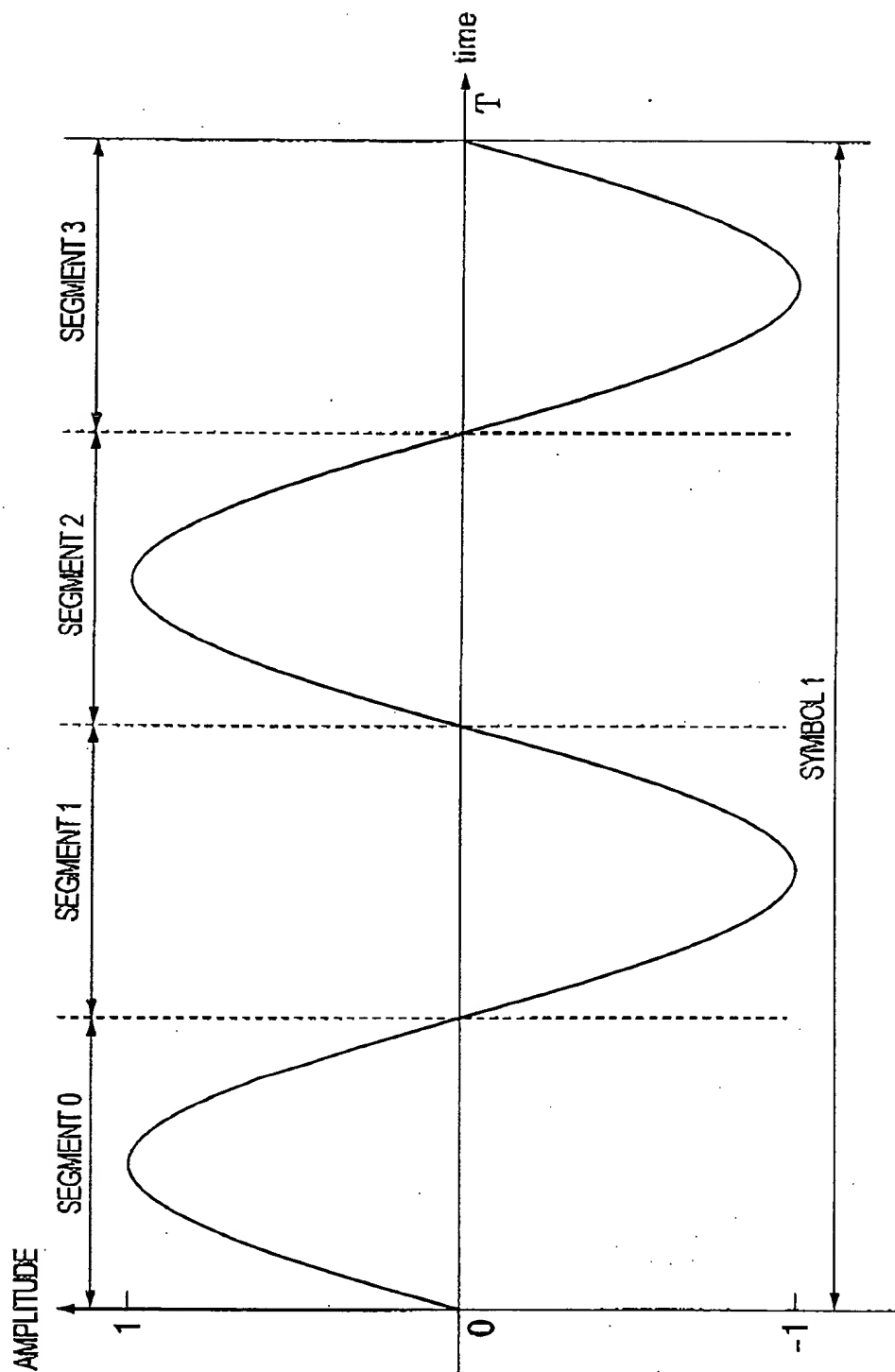
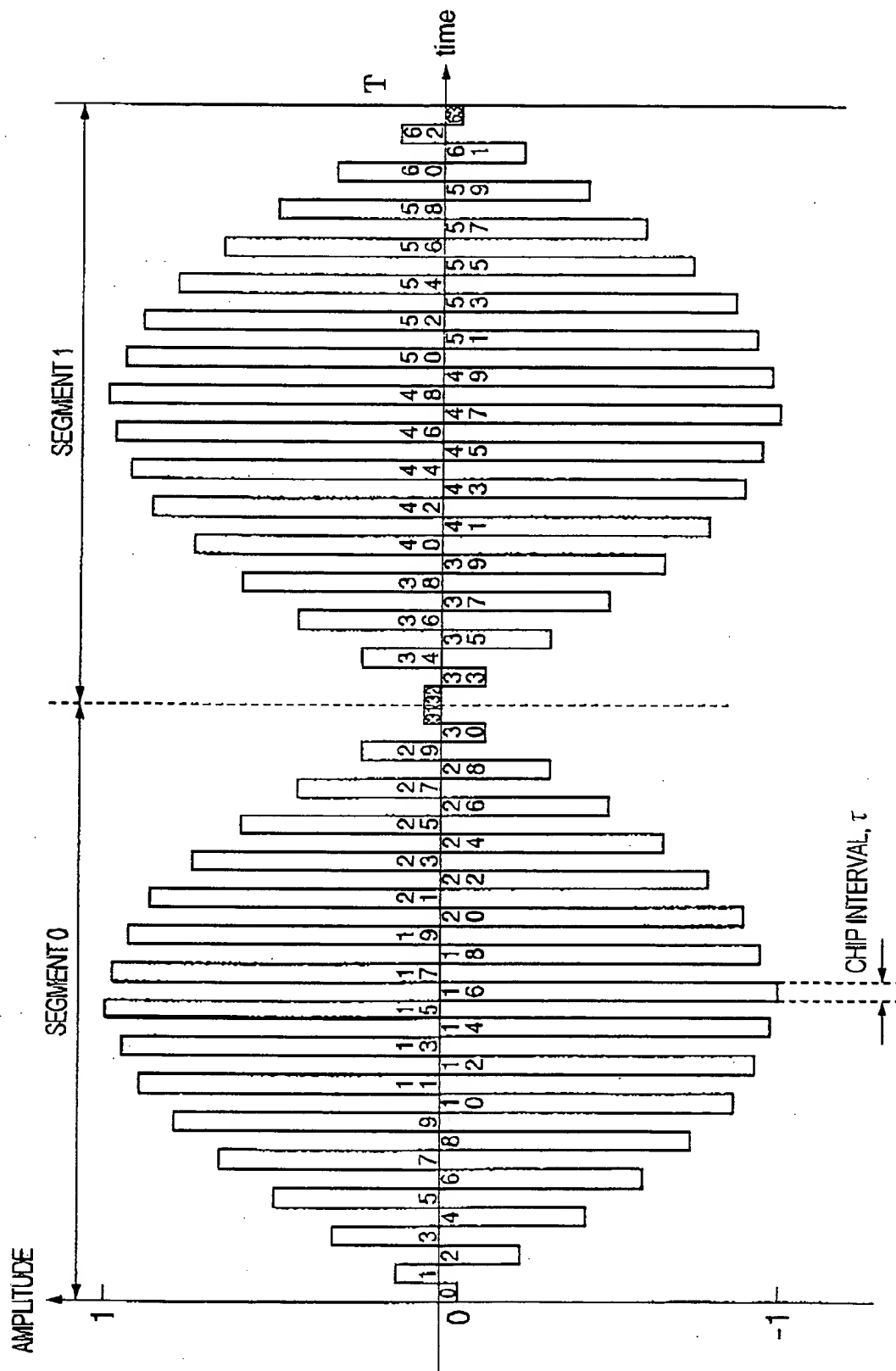


FIG. 31

EXAMPLE OF CHIP STRUCTURE IN A SEGMENT INTERVAL OF PRIMARY MODULATED WAVE



EXAMPLE OF A CONFIGURATION OF THE CONVENTIONAL CDMA RECEIVER

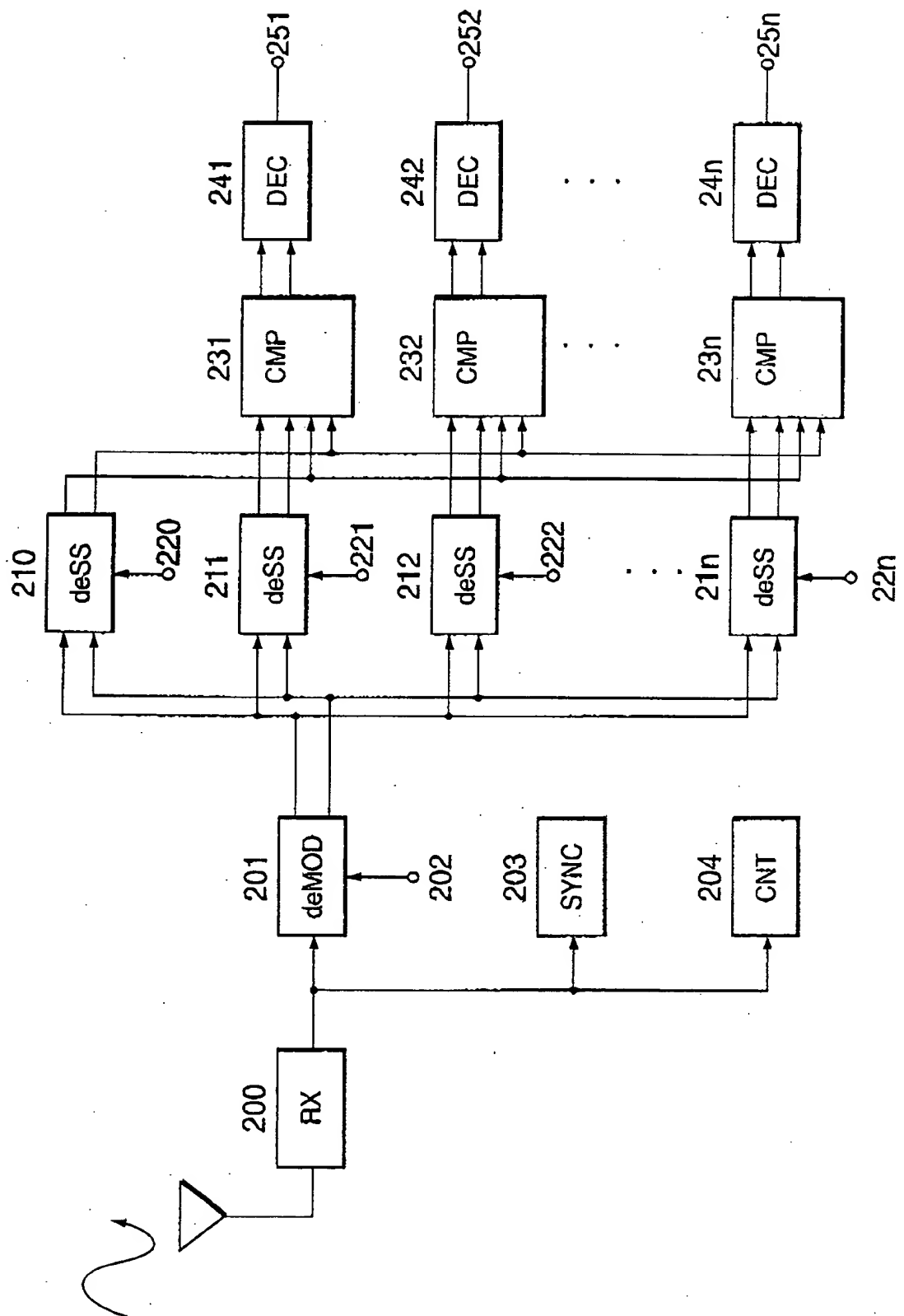


FIG. 33

EXAMPLE OF A DETAILED CONFIGURATION OF DEMODULATOR CIRCUIT (de MOD)

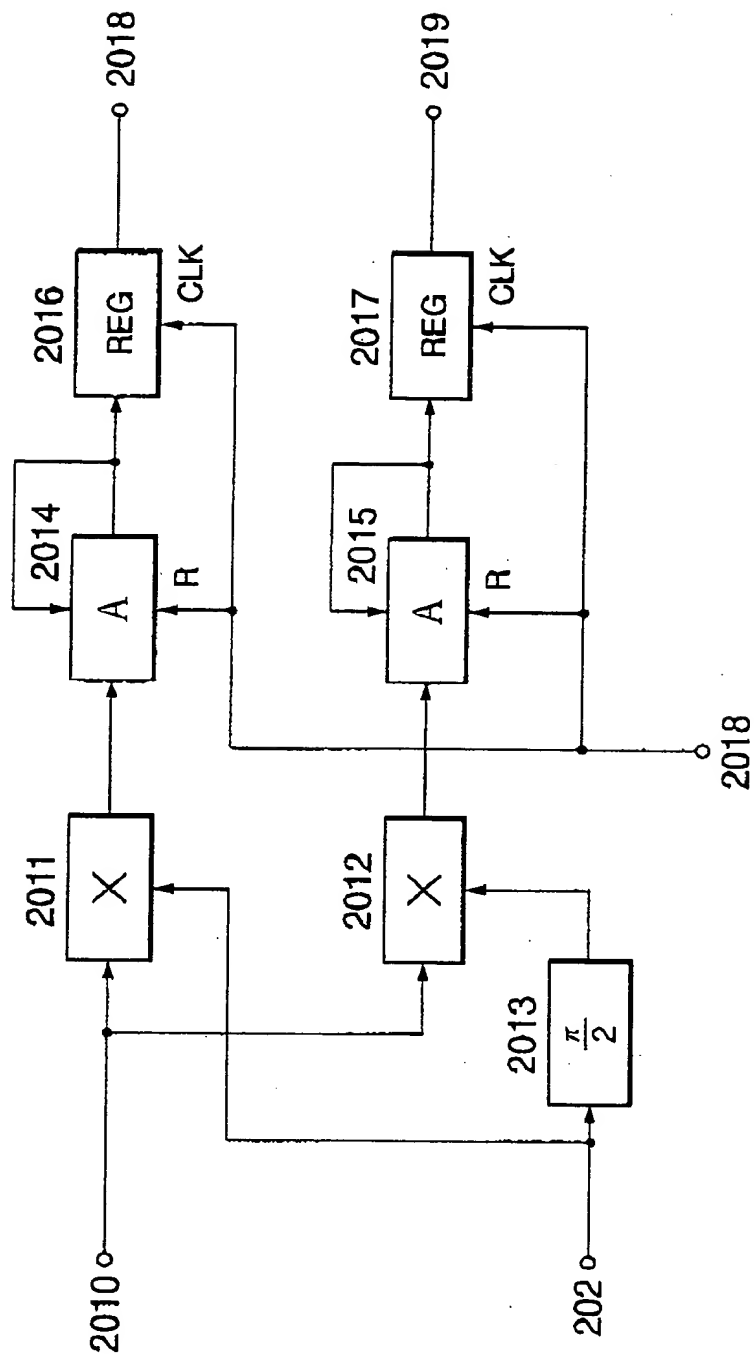


FIG. 34

EXAMPLE OF A DETAILED CONFIGURATION OF DESPREADING CIRCUIT (deSS)

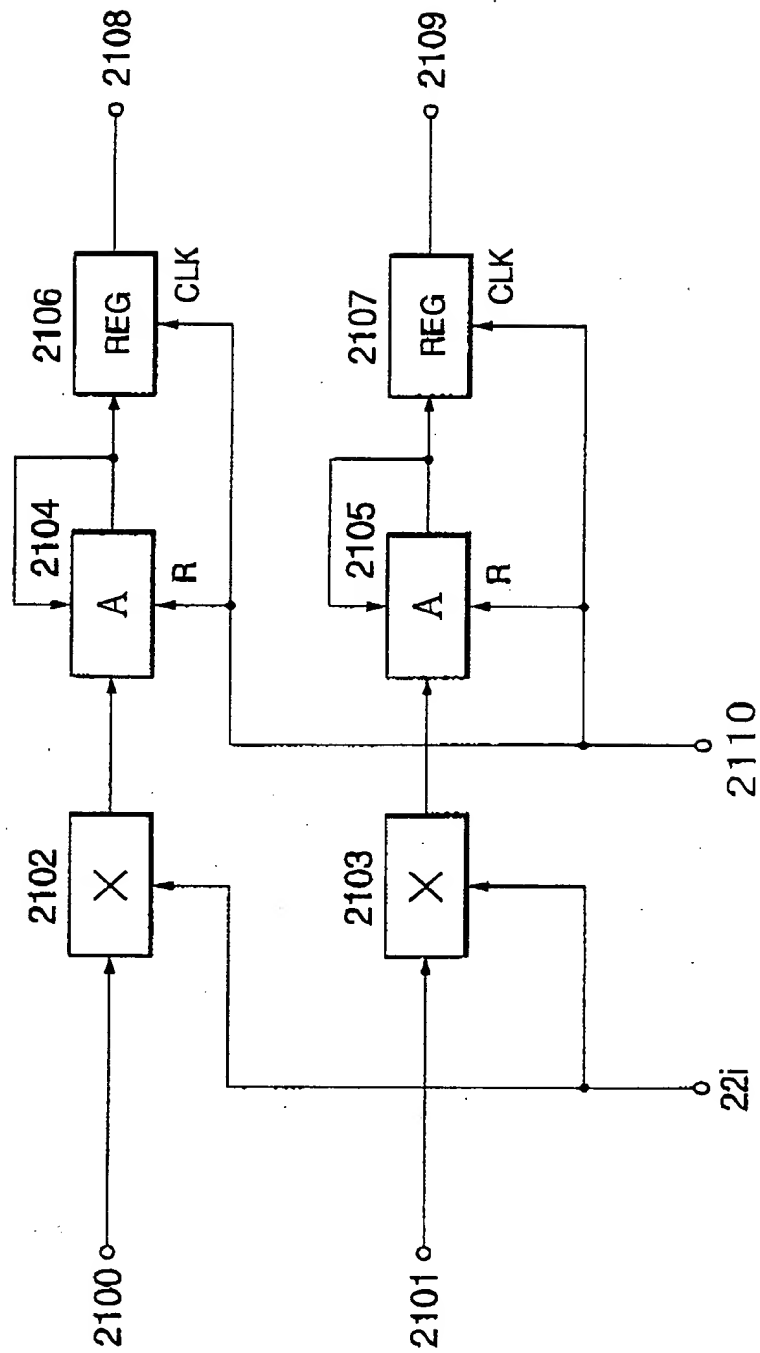
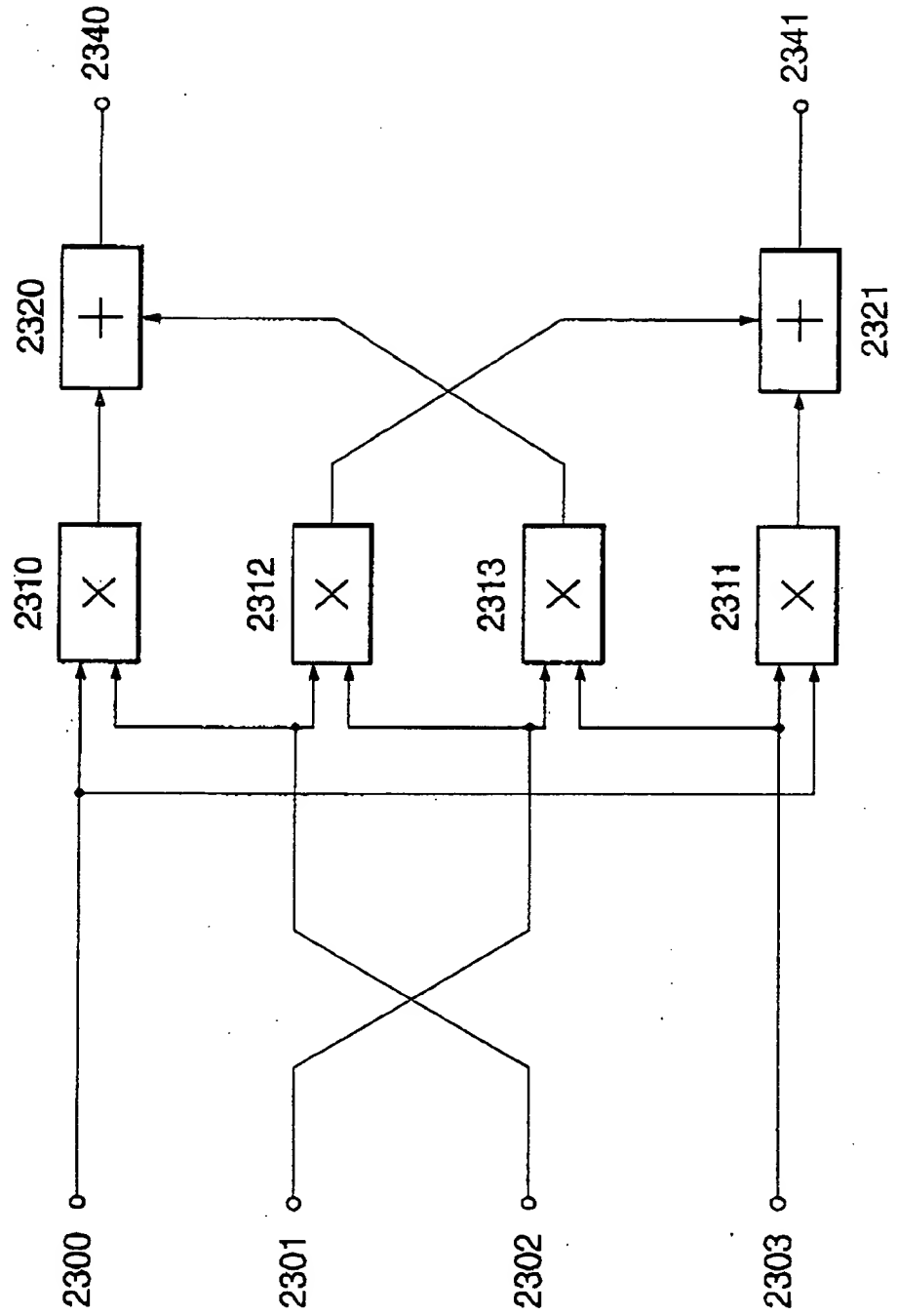
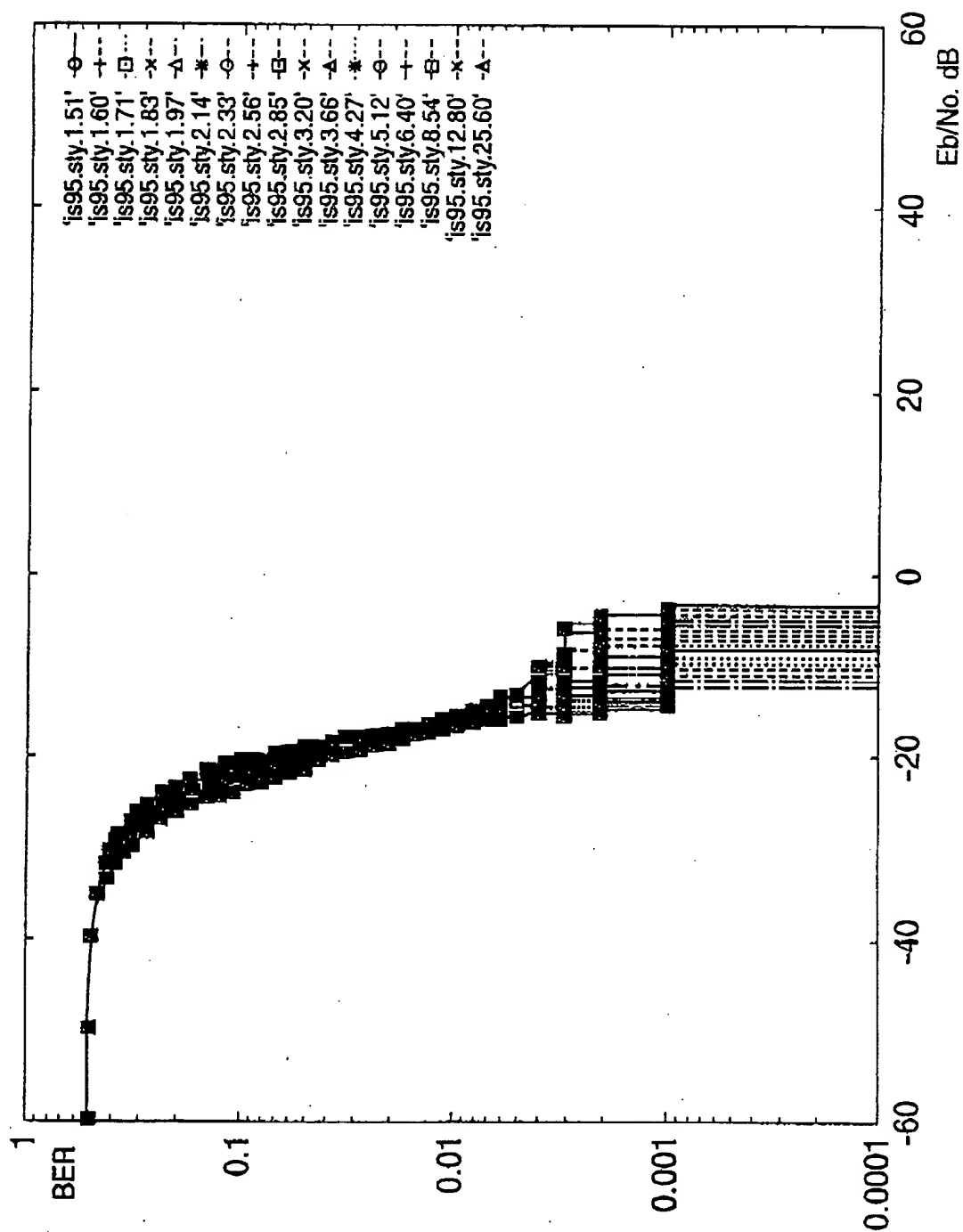


FIG. 35

EXAMPLE OF A DETAILED CONFIGURATION OF PHASE CORRECTION CIRCUIT (CMP)



TRANSMISSION CHARACTERISTICS IN STATIONARY TELEPHONE MODE OF THE CONVENTIONAL SYSTEM



TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF THE CONVENTIONAL SYSTEM

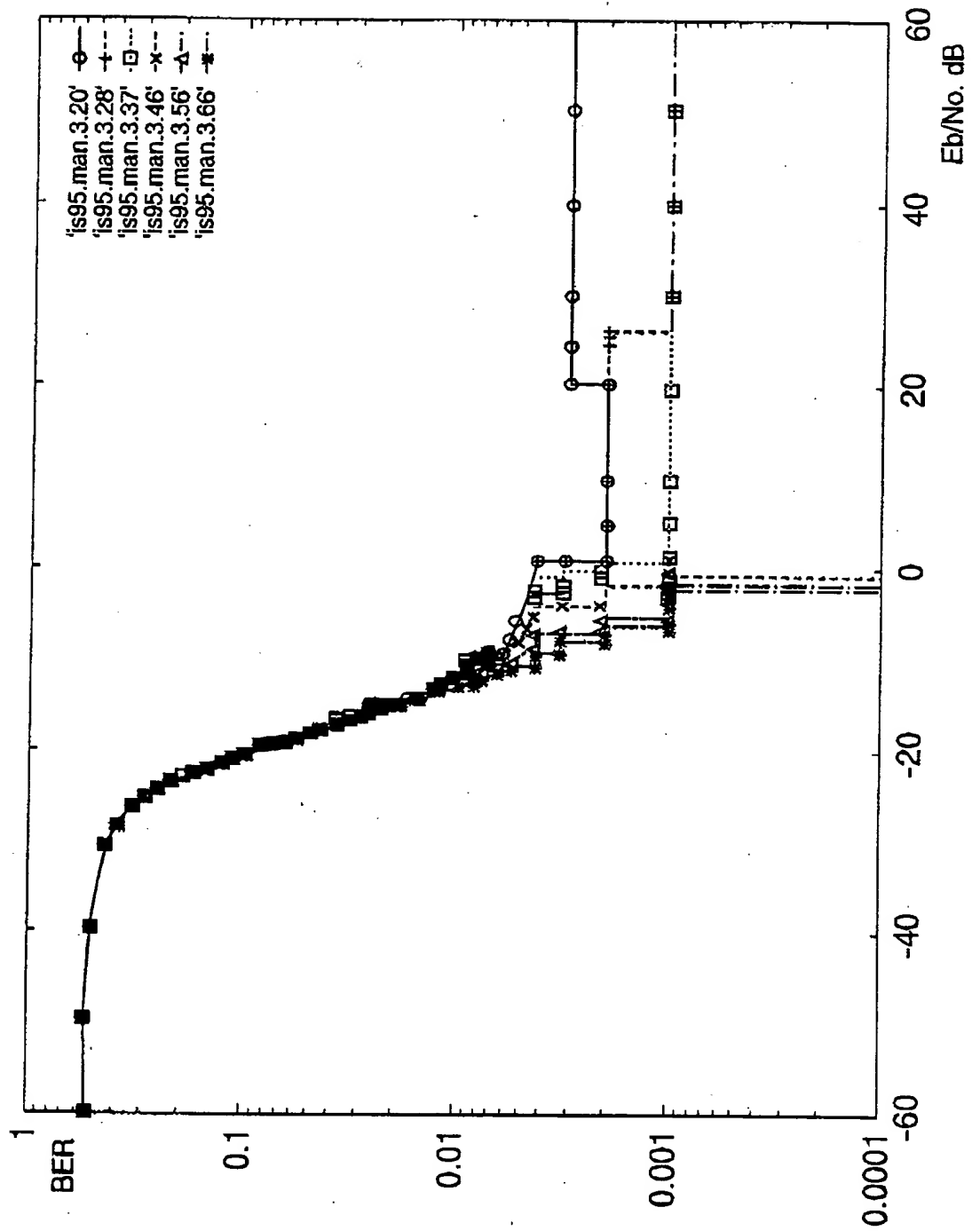


FIG. 38

TRANSMISSION CHARACTERISTICS IN AUTOMOBILE TELEPHONE MODE OF THE CONVENTIONAL SYSTEM

